haslab

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HASLAB MAGAZINE

The laboratory trade in Switzerland

WWW.HASLAB.CH

The laboratory trade in Switzerland

Haslab GmbH Laborfachhandel - Your specialist in the Swiss market for laboratory supplies, laboratory equipment, laboratory facilities and laboratory consumables. Our range includes a large selection of over 350,000 laboratory items for your daily laboratory needs. Order your laboratory items in our online shop in Switzerland.

TABLE OF CONTENTS

CONSUMABLES	Pipetting	10
	Serological pipettes	18
	Cell culture	20
	Biology Products	25
	Reaction vessels	33
	Centrifuge tubes	36
	Autoclave bag	37
	PCR article	38
	Filtration	40
	Chromatography	45
	Deep-freeze test storage	45
	Cleaning, protective articles and disinfection	50
	Gloves	63
	Useful	68
DEVICES	Weighing	69
	Stirring / Mixing / Separating / Heating / Cooling	74
	Safety / Workbenches	116
	Gonotec / Osmometer - Chloride meter	120
	Exakt / Three roll mill	121
	BINDER devices	124
	Water purification	127

Haslab GmbH

Our customers are consistently at the centre of all our considerations and activities. They are not only the ones who work with the products: They are also the source of our ideas and our drive to become better every day. In order to meet their demands, every single person at Haslab does more than you expect.

To ensure the highest standards, all our products are organised from our and nearby warehouses for the fastest possible availability to our customers. Our customers are constantly informed about the ordering process. We will continue to do everything we can to stay one step ahead. And we work on this with the same responsibility, passion and will as on the first day.

Thierry Wagner

CEO Haslab GmbH

Thierry Wagner

We are!

THIERRY WAGNER

Sales and Consulting / CEO

When I was contacted at the time the question whether I would like to continue Haslab, I was a little nervous. Now thanks to our Haslab team and our dear customers customers, I have never regretted this regretted this step and I look forward to many more great years ahead.

MIREILLE BIEDERMANN

Operational Manager

No day is like the other, there is never a dull moment. I am very grateful to work in such an exciting environment with such a lively and great team.

MARCO STEINER

Sales and Consulting

Indoor sales, service maintenance and warehouse, the daily customer contact, the variety every day at work, working surrounded by good people, that's what it's all about. "Everything out of the ordinary

MANUEL KUREEKAL

Indoor service / logistics

I really like the varied and interesting work with and in this cool team, and the daily challenge of helping customers.

DANIEL WÜTHRICH

Sales and Consulting

I really value the close contact and I really appreciate the close contact and exchange with our customers. I find our young and innovative team and the uncomplicated work processes nowhere better than at Haslab, which also benefits the customers.

FELIX-ROBERT FREY

Key Account

It is a great pleasure for me to work in an excellent team and to spoil our customers with our unique services and products.

RENÉ DIEM

Sales and Consulting

I love the personal contact with customers. Here I can use my skills to the full. I look forward to every visit.

Our sectors

Haslab GmbH has set itself the task of making a significant contribution to optimising and improving advice and processing in the area of purchasing laboratory materials. With products that optimally support our customers in their daily work in the laboratory to enable them to constantly improve their work processes.

Chemistry

The company Morphisto with its very good and advisory specialists, are your partners in Switzerland for laboratory chemicals. We take all your wishes seriously and check them directly from the manufacturer.

Research

Our wide product range includes technically sophisticated laboratory equipment, which we install and maintain. Our laboratory consumables, whether for life science, molecular biology, neurobiology, virology/ immunology or biochemistry, meet your high requirements and are known for the best price-performance ratio.

Hospital & Care

Due to the high cost pressure, we supply our customers with extremely high-quality consumables as well as laboratory equipment with the best price-performance ratio.

QS & QC

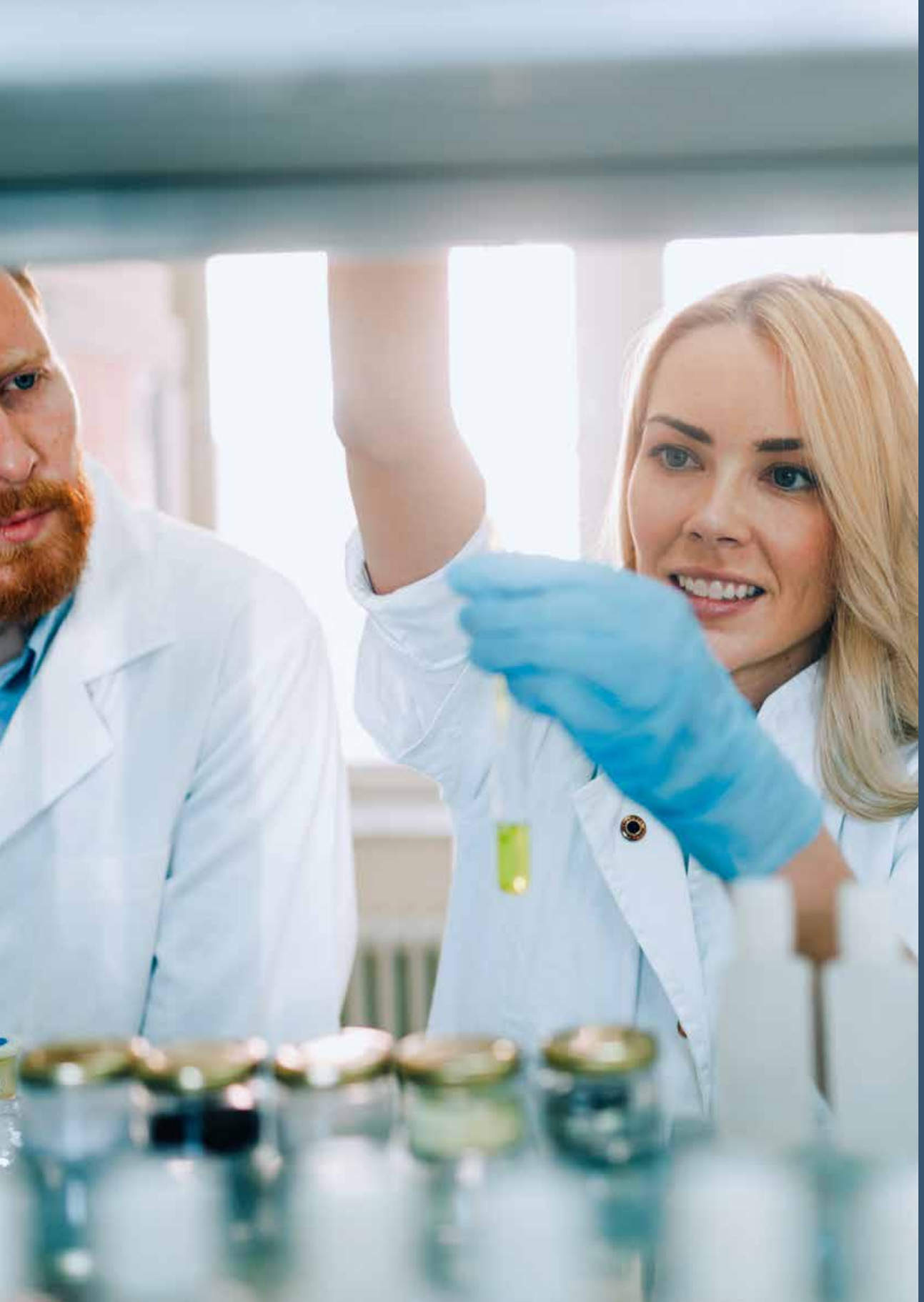
For quality assurance and quality control, our range includes a wide variety of laboratory consumables that provide the safety you need for your work.

Industry

For industry, be it for foodstuffs, waste water and water treatment, aerospace, paint industry etc., our range offers specialised and diverse laboratory equipment and laboratory consumables. Our in-depth consulting services ensure that your investment will pay off for years to come.

Environmental - science

It is important to us to supply researchers with top laboratory products for the environmental sciences. A wide range of laboratory equipment and consumables are available.



With products that optimally support our customers in their daily work in the laboratory.

Alles ausser gewöhnlich

Reagent reservoir

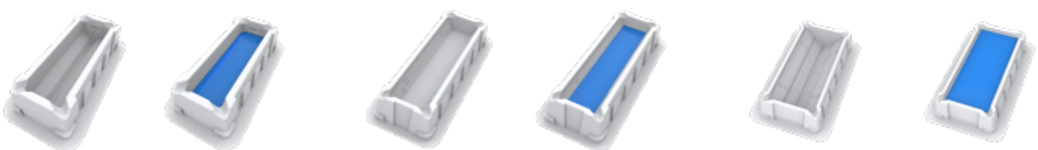
Accumax reagent reservoirs

Sophisticated procedures require sophisticated manufacturing of both measuring and storage products. Only this commitment to quality leads to breakthrough results and exceptional outcomes. Fortunately, you don't have to look too far. Ergonomically designed reagent reservoirs with a large cross-section for storing and dispensing liquids for multichannel pipetting with maximum recovery and improved efficiency are what our reagent reservoirs are best suited for.

Features

- Stepped wall for quick measuring of the liquid
- Compact polystyrene body with wide rims
- Stable and leak-proof extra large base
- Sloped bottom for maximum reagent
- recovery Spout to prevent spillage
- Available in 10, 25, 50 and 100 ml contents

Item no.	Filling volume	Packed	PU	PU CHF
ACCARV10B	10 ml	100 Stk.	500	60.40
ACCARV10S	10 ml	5 Stk. (steril)	200	34.00
ACCARV10SW	10 ml	Single (sterile)	50	18.20
ACCARV25B	25 ml	100 Stk.	500	69.60
ACCARV25S	25 ml	5 Stk. (steril)	200	45.45
ACCARV25SW	25 ml	Single (sterile)	50	23.10
ACCARV50B	50ml	100 Stk.	500	90.10
ACCARV50S	50 ml	5 Stk. (steril)	200	57.10
ACCARV50SW	50 ml	Single (sterile)	50	29.65
ABDP10503	100 ml	Single (sterile)	50	125.75



10ml 25ml 50ml

FAB Pipettes

THE INNOVATION HAS COME / FAB Pipettes

The FAB pipette is one of the safest and most ergonomic mechanical pipettes. It requires lower insertion and ejection forces for tip attachment and removal, reducing the risk of repetitive strain injury (RSI). It meets the highest requirements for precision and accuracy while offering high flexibility through a large number of variants. The FAB micropipette is remarkably light, both in terms of weight and pipetting force, so you don't have to overload your hands and arms.

Features

Effortless pipetting with unprecedented consistency results, powered by a magnet-assisted plunger and an ergonomic design approach.

- Experience a truly effortless pipetting experience with one of the lowest indentation force requirements
- Fatigue-free experience due to ergonomic design
- Adjustment lock to prevent accidental changes in volume of the volume
- Magnet-assisted plunger for unprecedented result consistency
- 3 year warranty
- Unique shock-absorbing tip ejector and convenient finger rest

Accumax FAB variable volume micropipette

Item no.	Volume range [µl]	Adjustable [µl]	Piece CHF
AFV - 2.5	0.1-2.5	0.002	155.00
AFV - 10	0.5-10	0.02	155.00
AFV - 20	2-20	0.02	155.00
AFV - 50	5-50	0.1	155.00
AFV - 100	10-100	0.1	155.00
AFV - 200	20-200	0.2	155.00
AFV - 1000	100-1000	1	155.00
AFV - 5000	500-5000	10	175.00
AFV - 10000	1000-10000	20	175.00

FAB Pipettes Multichannel

Includes all the basic features of the Accumax FAB single-channel pipette and other features such as:

Features

- Spring-loaded tip cone for lower stress and correct fit for precise pipetting requiring gentle force/ leakage-free tip loading and ejection. Innovative spring and seal design for one of the lowest contact pressure requirements
- Compatible with a wide range of tips
- Easily removable manifold for convenient maintenance 3 years warranty
- 360° rotatable tip pick-up for effortless and flexible rotation
- Tip ejection with one hand
- Attractive colour coding
- All internal components of the manifold are made of high quality alloys using precision tooling to ensure precise volume in all channels

8-channel FAB pipettes Accumax

Images	Item no.	Volume range [µl]	Adjustable [µl]	Piece CHF
	AFM8-010	0.5-10	0.02	320.00
	AFM8-020	2-20	0.02	320.00
	AFM8-050	5-50	0.1	320.00
	AFM8-100	10-100	0.1	320.00
	AFM8-200	20-200	0.2	320.00
	AFM8-300	30-300	0.2	320.00

12-channel FAB pipettes Accumax

Images	Item no.	Volume range [µl]	Adjustable [µl]	Piece CHF
	AFM12-010	0.5-10	0.02	395.00
	AFM12-020	2-20	0.02	395.00
	AFM12-050	5-50	0.1	395.00
	AFM12-100	10-100	0.1	395.00
	AFM12-200	20-200	0.2	395.00
	AFM12-300	30-300	0.2	395.00

FAB pipette stand

Accumax FAB pipette stand, carousel stand for 6 pipettes.

Image	Item no.	PU	PU CHF
	ACCFS01	1	120.00

Electronic pipette

A perfect blend of exceptional performance, superior ergonomics and an intuitive graphical user interface in a pipette that allows the user's needs to be understood and met accordingly.

- Intuitive graphical user interface 5
- different pipetting modes State of the
- art stepper motor
- Efficient battery performance Automatic
- charging station Precise 3-point
- autocalibration

Features

- Intelligent sleep mode for battery conservation, increasing battery power by 40%.
- Exceptionally lightweight, for effortless and painless pipetting even after prolonged use
- Lightweight
- Easy-to-charge tip collector
- Magnetic piston for error-free pipetting in all channels
- Calibrated to ISO 8655-6 standard in an ISO 17025 accredited calibration laboratory for ultimate confidence
- Stores and remembers 3 frequently used modes for quick and easy use
- 360° rotating manifold to adjust pipetting angle for convenient handling
  Smooth and leak-proof operation

Single channel

Item no.	Volume range [µl]	Adjustable [µl]	Piece CHF
AE - 10	0.5-10	0.01	459.00
AE - 100	5-100	0.10	459.00
AE - 200	10-200	0.10	459.00
AE - 1000	50-1000	1.00	459.00
AE - 5000	250-5000	5.00	459.00

8 Channel

Item no.	Volume range [µl]	Adjustable [µl]	Piece CHF
AE 8 - 10	0.5 - 10	0.10	565.00
AE 8 - 20	2 - 20	0.10	565.00
AE 8 - 100	5 - 100	0.10	565.00
AE 8 - 200	10 - 200	1.00	565.00
AE 8 - 300	15 - 300	5.00	565.00

12 Channel

Item no.	Volume range [µl]	Adjustable [µl]	Piece CHF
AE 12 - 10	0.5 - 10	0.10	595.00
AE 12 - 20	2 - 20	0.10	595.00
AE 5 - 100	5 - 100	0.10	595.00
AE 10 - 200	10 - 200	1.00	595.00
AE 15 - 300	15 - 300	5.00	595.00

Stand for electronic pipette

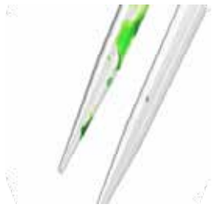
Charging station for electronic pipettes with practical USB charger integrated in the stand.

Image	Item no.	Description	Piece CHF
	AE-CS-01	Electronic Pipette Charging Stand	110.00

Pipette tips

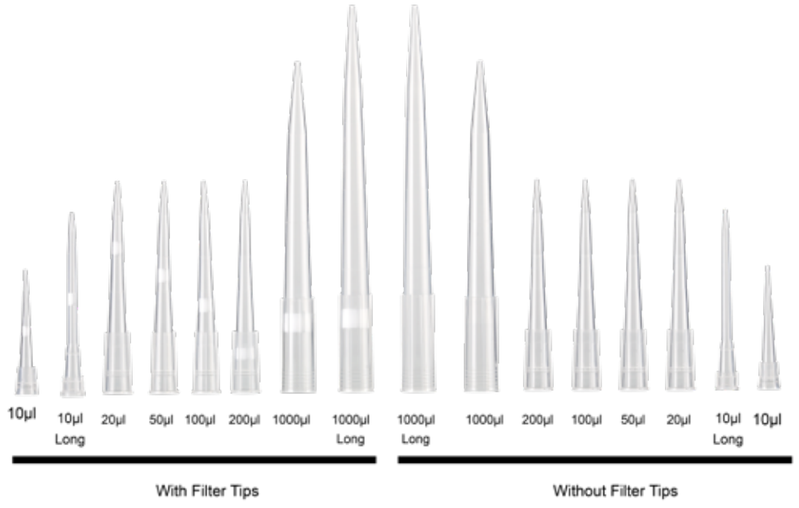
MANUFACTURED WITH SWISS TOOLS
Accumax tips are manufactured in a fully automated, non-contact production facility to strict manufacturing standards. These tips are produced in Swiss made, high quality diamond end moulds using FDA approved special polypropylene, with high transparency.
Free of DNase, RNase, Human DNA, Pyrogen & PCR Inhibitor.
Graduation marks on all tips to act as visual controls to minimise the risk of sample collection errors.
Unique label identification in the packaging for easy identification.
Plastic waste - Here's what you can do yourself to combat plastic waste. Use a reload system for FILTER pipette tips Filter tip refill racks: Eco Box "To reduce plastic waste by over 70%".

Filter Tips: Specially developed PE filters for pipetting applications. Free of chemical additives. Stops aerosols and contaminants from entering the pipette, reducing the risk of cross-contamination. Permeability is controlled by the combination of pore size and filter length. Suitable for PCR and microbiology applications.
Low Retention: (Minimum binding = maximum accuracy), (No silicone additives = no leaching), Manufactured from specially formulated resins in combination with high quality Swiss diamond finish, this creates super hydrophobic inner surface and ensures maxi-mum sample yield.
All our pipette tips come sterile and in low retention. We do not compromise!
WE WOULD BE HAPPY TO SHOW YOU ON SITE WHY THIS IS SO.



Item no.	Description	Packed	PU	PU CHF
ACCAT10SLB	10µl Universal Grad Spitze, steril, Low retention	Bag	1000 Spitzen	19.95
ACCAT10SLK	10 µl Universal Grad Spitze, steril, Lowretention, Reload 10 X 96 Spitzen	Reload	10 X 96 Spitzen	35.15
ACCAT10XNSLB	10µl lange, Universal Grad Spitze, 20µl Kapazität, steril, Low retention	Bag	1000 Spitzen	19.65
ACCAT10XNSLK	10 µl lange, Universal Grad Spitze, 20µl Kapazität, steril, Low retention Reload 10 X 96 Spitzen	Reload	10 X 96 Spitzen	35.15
ACCAT10XNSLFR	10µl lange, Universal Grad Spitze, 20µl Kapazität, steril, Low retention, Filter	Rack	10 X 96 Spitzen / in rack	61.70
ACCAT10XNSLFK	70% Kunststoff -Abfall Reduktion 10µl lange, Universal Grad Spitze, 20µl Kapazität, steril, Low retention, Filter / Reload	Rack	10 X 96 Spitzen / in rack als Reload	57.25
ACCAT20SLFB ACCAT50SLFB ACCAT100SLFB	20µl, 50µl, 100µl Universal Grad Spitze, steril, Low retention, Filter	Bag	1000 Spitzen	49.95
ACCAT20SLFR ACCAT50SLFR ACCAT100SLFR	20µl, 50µl, 100µl Universal Grad Spitze, steril, Low retention, Filter	Rack	10 X 96 Spitzen / in rack	62.40
ACCAT20SLFK ACCAT50SLFK ACCAT100SLFK	70% Kunststoff -Abfall Reduktion 20µl, 50µl, 100µl Universal Grad Spitze, steril, Low retention, Filter / Reload	Rack	10 X 96 Spitzen / in rack als reload	57.80
ACCAT200SLB	200µl Universal Grad Spitze, steril, Low retention	Bag	1000 Spitzen	19.95

Item no.	Description	Packed	PU	PU CHF
ACCAT200SLK	200µl Universal Grad Spitze, steril, Low retention Reload 10 X 96 Spitzen / Rack	Reload	10 X 96 Spitzen	35.50
ACCAT200XLSLFB	200µl lange, Universal Grad Spitze, 300 µl, Kapazität, steril, Low retention, Filter	Beutel	1000 Spitzen	49.95
ACCAT200XLSLFR	200µl lange, Universal Grad Spitze, 300 µl Kapazität, steril, Low retention, Filter	Rack	10 X 96 Spitzen / in rack	62.40
ACCAT200XLSLFK	70% Kunststoff -Abfall Reduktion 200µl lange, Universal Grad Spitze, 300 µl Kapazität, steril, Low retention, Filter / Reload	Rack	10 X 96 Spitzen / in rack als reload	57.80
ACCAT1000SLB	1000µl Universal Grad Spitze, steril, Low retention	Beutel	1000 Spitzen	29.00
ACCAT1000SLK	1000µl Universal Grad Spitze, steril, Low retention	Reload	5 X 96 Spitzen	22.55
ACCAT1000XLSLFB	1250µl lange, Universal Grad Spitze, steril, Low retention, Filter	Beutel	500 Spitzen	34.00
ACCAT1000XLSLFR	1250µl lange, Universal Grad Spitze, steril, Low retention, Filter	Rack	6 X 96 Spitzen/ in rack	49.50
ACCAT1000XLSLFK	70% Kunststoff-Abfall Reduktion 1250µl lange, Universal Grad Spitze, steril, Low retention, Filter / Reload	Rack	6 X 96 Spitzen / in rack als reload	46.90



Pasteur pipettes

Pasteur pipettes, LDPE
Pasteur pipettes made of LDPE are ideal for aliquoting and guarantee very good reproducibility of the number of drops per millilitre. Their basic function is based on the aspiration of a liquid from a laboratory container into the pipette, e.g. from a sample vessel, a reaction vessel, a centrifuge tube or volumetric flask, and the subsequent emptying into another laboratory vessel of whatever type. The realisation of this very simple principle for liquid transfer and dosing has led to numerous developments adapted to the respective application. These unbreakable, non-toxic Pasteur pipettes eliminate the risk of breakage. Formed of low-density translucent material, they are inert to biological fluids and most acids. Can be sealed and refrigerated. The surface has low binding and prevents cell loss and protein binding. Sterile and non-sterile versions available

Item no.	Volume	Length (mm)	Packed	PU	PU CHF
ABDP31207	0.5 ml	130	bulk	500	10.75
ABDP31208	0.5 ml	130	Single (sterile)	500	35.20
ABDP31201	1.0 ml	154	bulk	500	10.75
ABDP31202	1.0 ml	154	Single (sterile)	500	35.20
ABDP31209	2.0 ml	156	bulk	500	11.35
ABDP31210	2.0 ml	156	Single (sterile)	500	36.50
ABDP31205	3.0 ml	154	bulk	500	11.35
ABDP31206	3.0 ml	154	Single (sterile)	500	36.50

Serological pipettes

Serological pipettes are used for cell culture and for working with sterile solutions in the ml range. The following volumes are available: 1 ml, 2 ml, 5 ml, 10 ml, 25 ml, 50 ml and 100 ml. Made of crystal clear polystyrene, with positive and negative scaling, the products are suitable for a wide range of applications.

Features

- ABDOS serological pipettes are sterilised according to EN ISO 11137-2; 2012 / SAL 10-6.
- The Advance PU filter provides comprehensive
- protection against contamination.
- Accuracy within ± 2%
  Traceability of individual batches
- Bi-directional graduations offer the choice of ascending and descending scales.
- Colour coding
- Negative graduations allow additional working volume

Watt plugs can be a major source of contamination for your experiment. Abdos PU filters offer complete protection against contamination that causes trouble and anxiety.

Item no.	Colour	Height (mm)	Volume (ml)	PU	PU CHF
P10601	Yellow	270	1	500	49.50
P10602	Green	270	2	400	46.80
P10603	Blue	295	5	200	25.95
P10604	Orange	295	10	200	27.70
P10605	Red	298	25	200	51.85
P10606	Purple	300	50	100	58.50

Einzeln verpackt- steril- Papier / Kunststoff (Auch andere Verpackungen erhältlich)

Serological pipette holder

These racks have cut-outs to better see the pipettes.
The four angled shelves store 1.0 to 100 ml pipettes neatly. They are easy to reach and thus prevent clutter at the same time. With the unique magnets on both sides, you can attach this storage rack to all magnetic surfaces, such as the safety workbench, or you can screw it directly to the wall through the openings provided.

Image	Item no.	Piece CHF
	P70202	95.50

Haslab's pipetting aid

Lies well in the hand and the volume can be dosed very well thanks to the smooth-running filling knob.

Features

- Haslab's Rave Plus pipette filler is robust, lightweight and ergonomically designed for
- longer, fatigue-free pipetting. Users can use serological pipettes from 1 ml to 100 ml. Haslab's
- Rave pipette controller comes with an integrated and interchangeable 0.45 um filter.
- It is powerful and can fill a 50 ml pipette in less than 10 seconds. The motor and pump operate quietly and with very little vibration.
- Haslab's Rave Plus pipette controller comes with a lithium-ion battery that provides enough
- power for > 8 hrs!
  Adjustable speed

Item no.	Description	PU	PU CHF
HAS11114	Haslab's Rave Plus Pipettier-Hilfe	1	239.00
E11116	Replacement filter 0.45	1	12.70
E11118	Replacement adapter, pipette pick-up	1	60.70
E11117	Replacement battery	1	25.00

Aspirating pipettes

Item no.	Description	Packed	PU	PU CHF
CEL229261	1 ml Aspirations-Pipette, Absaugpipette, einzeln verpackt, steril	Single	400	53.25
CEL229262	2 ml Aspirations-Pipette, Absaugpipette, einzeln verpackt, steril	Single	400	58.00
CEL229265	5 ml Aspirations-Pipette, Absaugpipette, einzeln verpackt, steril	Single	200	40.75

Tissue Culture Articles

Tissue culture articles

Today, plant, animal and human cell cultures are not only of interest for basic research and the understanding of the cell. Breeding, biotechnology, medicine also benefit from them and enrich them with their experimental work. And they have great expectations for future developments.

Since the beginnings of scientific research, there have been efforts to keep cells and tissues alive outside an organism so that they can be studied in greater detail.

Multi-well plates

Multi-well cell culture plates

- Abdos Tissue Culture treated multi-well plates are made from high quality polystyrene.
- The plates were treated with vacuum plasma to ensure uniform growth.
- Sterilised the cell culture plates according to ISO 11137 for SAL 10-6
- Plates are low profile and designed for low evaporation rate to ensure little sample loss.
- Easy to open and individually wrapped blister pack with lot number for traceability.

Item no.	Number of cavities	Form bottom	PU	PU CHF
P21020	6	F-Form	50 Stk. / single	79.05
P21021	12	F-Form	50 Stk. / single	82.15
P21022	24	F-Form	50 Stk. / single	82.15
P21023	48	F-Form	50 Stk. / single	83.90
P21024	96	F-Form	100 Stk. / single	154.85
P21025	96	U-Form	100 Stk. / single	165.40
P21026	96	V-Form	100 Stk. / single	165.40

Cell culture flasks

Cell culture flasks

Features

- Abdos Tissue Culture treated cell culture flasks are made of high quality polystyrene.
- Flat polysterene surface with high clarity for distortion-free observation.
- Frosted writing area with clear moulded graduation mark.
- Electron beam sterilised culture flasks validated to ISO 11137 for SAL 10-6.
- Culture flasks were treated with vacuum plasma in order to ensure uniform growth.
- Angled neck for easy access to the corner of the flask. of the flask.
- Culture flasks with breathable membrane with vented cap 0.22 um, hydrophobic filter ensures gas exchange without contamination.

With ventilation closure 0.22 µm membrane Hydrophobic

Item no.	Volume	Surface	Medium Vol.	PU	PU CHF
P21011	50 ml	25 cm²	5ml -7.5 ml	20 x 10 Stk. (200)	145.95
P21013	250 ml	75 cm²	15ml -22.5ml	20 x 5 Stk. (100)	145.95
P21015	750 ml	175 cm²	35ml -52.5ml	8 x 5 Stk. (40)	111.70
P21017	950 ml	225 cm²	45ml -67.5ml	5 x 5 Stk. (25)	105.50

With normal closure

Item no.	Volume	Surface	Medium Vol.	PU	PU CHF
P21010	50 ml	25 cm²	5ml -7.5ml	20 x 10 Stk. (200)	133.60
P21012	250 ml	75 cm²	15ml -22.5ml	20 x 5 Stk. (100)	133.60
P21014	750 ml	175 cm²	35ml -52.5ml	8 x 5 Stk. (40)	99.30
P21016	950 ml	225 cm²	45ml -67.5ml	5 x 5 Stk. (25)	96.20

Tissue culture dishes

Cell and tissue culture dishes

Features

- Abdos Tissue Culture treated trays are made from high value polystyrene.
- The dishes were treated with vacuum plasma to ensure uniform growth.
- The cell culture dishes were sterilised according to ISO 11137 for SAL 10-6
- Cell culture dishes are ideal for all types of cultivation that require microscopic observationis required.
- Flat polysterene surface with high clarity for distortion-free observation.

Item no.	diameter	Height	Surface	Medium Vol.	PU	PU CHF
P21030	35 mm	9 mm	9 cm²	1.80 ml -2.70ml	20x25 Stk. (500)	102.40
P21031	60 mm	12 mm	21 cm²	4.20ml -6.30ml	20x25 Stk. (500)	120.05
P21032	100 mm	17.7 mm	55 cm²	11ml - 16.50ml	20x15 Stk. (300)	111.65
P21033	150 mm	23.1 mm	152 cm²	30.4ml -45.60ml	5x50 Stk. (250)	130.00

Cell scraper

Item no.	Description	Packed	PU	PU CHF
CEL229311	Zellschaber & Lifter Cell Scraper, 25cm Griff, 20mm «Lifter» Klinge, steril	single	100	56.00
CEL229316	Zellschaber & Lifter Cell Scraper, 39cm Griff, 30mm «Lifter» Klinge, steril	single	100	83.85

Cell culture roller bottles

Cell culture roller bottles

- ABDOS roller bottles are made from the highest quality polystyrene, suitable for high yields of cell growth and multiplication.
- These bottles are provided with large knurls on the cap to make them easy to grip and prevent slippage during the process.
- Suitable for all general applications and automations used in tissue / cell culture.
- These bottles are available in 3 volumes of 1000 ml, 2000 ml, 5000 ml with cell growth area of 490 cm2, 850 cm2, 1900 cm2 for adhesions and large growth volume for cell suspension. These bottles are
- printed with good graduation for easy identification.
- Sterilised by gamma radiation, validated according to ISO 11137 for SAL 10-6.

Item no.	Volume	Closure	Surface	Medium Vol.	Treats	PU	PU CHF
P21060	1000 ml	Normal	490 cm2	100 ml - 150 ml	Yes	24	160.35
P21061	1000 ml	With filter	490 cm2	100 ml - 150 ml	Yes	24	173.45
P21062	1000 ml	Normal	490 cm2	100 ml - 150 ml	No	24	131.20
P21063	1000 ml	With filter	490 cm2	100 ml - 150 ml	No	24	144.30
P21064	2000 ml	Normal	850 cm2	180 ml - 260 ml	Yes	12	91.85
P21065	2000 ml	With filter	850 cm2	180 ml - 260 ml	Yes	12	96.20
P21066	2000 ml	Normal	850 cm2	180 ml - 260 ml	No	12	86.00
P21067	2000 ml	With filter	850 cm2	180 ml - 260 ml	No	12	90.40
P21068	5000 ml	Normal	1900 cm2	300 ml - 400 ml	Yes	12	107.85
P21069	5000 ml	With filter	1900 cm2	300 ml - 400 ml	Yes	12	119.55

Bio-Reaction Tube

Bioreaction vessels are a convenient and economical option for small-scale cell culture. They are ideal for biological reaction experiments that require asep-tic conditions with free gas exchange. Equipped with 0.22um hy-drophobic membrane to allow gas exchange.

Item no.	Vol.	Shape	PU	PU CHF
P21070	15 ml	Conical	10x10 (100)	74.55
P21071	50 ml	Conical	10x10 (100)	101.80
P21072	50 ml	Stand-foot	10x10 (100)	110.20

Cell strainer

- Cell strainers are made of a strong medical nylon mesh with fine and uniform pores for isolating primary cells to obtain a uniform single cell suspension from tissue cultures.
- The frame of the sieve is made of pure polypropylene with an extended lip for easy handling.
- Gamma radiation sterilised cell sieves have been validated according to ISO 11137 for SAL 10-6.
- These sieves are available in 3 mesh sizes: 40 µl, 70 µl and 100 µl with 3 different colour codes for easy identification. These sieves are ideal for use with Haslab 50 ml centrifuge tubes.

Item no.	Pore size	Colour	Packed	PU	PU CHF
CEL229481	40 µl	Blue	single, sterile	50	109.25
CEL229483	70 µl	White	single, sterile	50	109.25
CEL229485	100 µl	Yellow	single, sterile	50	109.25

Microbiology products

Microbiology and its results are applied, among other things, in biotechnology including food technology, waste technology, materials technology and medicine. In addition, microorganisms are excellently suited as model organisms in genetic research, as they have relatively small, manageable genomes and can easily be studied in very large numbers of individuals. Microbiology (composed of mikrós "small" and "biology") is the science and study of microorganisms, i.e. living organisms that cannot be recognised as individuals with the naked eye: Archaea, bacteria, fungi, protozoa (primordial animals) and unicellular and few-celled algae (microalgae), as well as viruses, which are not considered living organisms.

PETRI DISH

PETRISH DISH Ø 90 mm

In polystyrene with high optical clarity. Available with inner bag for cleanroom use on request

Item no.	Description	PU	PU CHF
APT91	With triple ventilation - Aseptic	500	49.10
APT91/SG	With triple ventilation - Aseptic	500	59.55
APT101	Without ventilation - Aseptic	500	49.10
APT101/SG	Without ventilation - Sterile	500	59.55

PETRISH DISH Ø 35 mm

In polystyrene with high optical clarity "sterile".

Item no.	Description	PU	PU CHF
APT31	With triple ventilation - sterile	800	109.10

PETRISH DISH Ø 120 mm

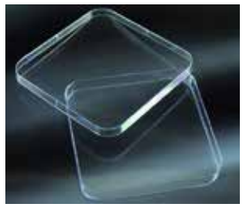
In polystyrene with high optical clarity

Item no.	Description	PU	PU CHF
APT181	Without venting - Aseptic	320	101.80
APT181/SG	Without ventilation - sterile	320	110.55

PETRISH DISH square 120x120 mm

In polystyrene with high optical clarity "sterile"

Item no.	Description	PU	PU CHF
APT1120	With triple ventilation - sterile	270	146.30



Other versions are also available.

RODS FOR DETACHMENT AND EXTRACTION

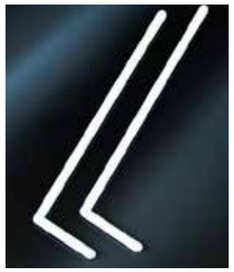
The first end is spatula-shaped, the second end is hook-shaped. Material: polystyrene.

Item no.	Length mm	PU	PU CHF
APT5155	157	10`000	205.45

STERILE L - Striker

L-shaped spreader for bacteriology, with completely smooth, rounded surface, which allows even liquid specimens to be placed on the agar surface without damaging it.
Dim. Ø 4.90 x 150 x 37.60 mm.
Angle 100 °.
Material: Polypropylene.

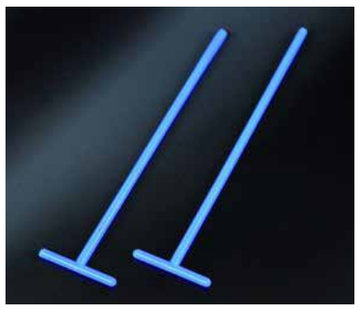
Item no.	Packing	PU	PU CHF
APT5200/SG	5 Stk. - steril	2000	247.30
APT5200/SG/CS	Individually packed- sterile	1000	141.80



STERILE T - Striker

T-Shape spreader for bacteriology, with completely smooth rounded surface for even smears. Material: polystyrene.

Item no.	Packing	PU	PU CHF
APT5205/SG	5 Stk. - steril	500	47.75
APT5205/SG/CS	Individually packed - sterile	500	58.20



THRUST BAR

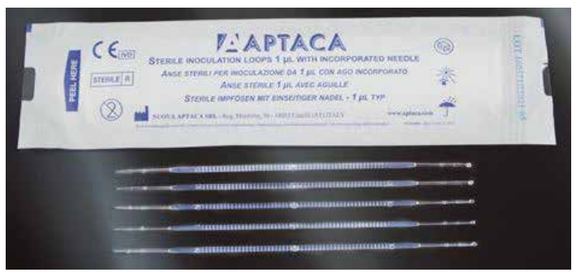
With one rounded end and the other spatula-shaped. Material: Polystyrene.

Item no.	Dim. mm	PU	PU CHF
APT5300	∅ 3x120	5000	145.45

STERILE IMPREGNATION BLADE 1 µl

STERILE IMPREGNATOR : With incorporated Needle / Material: Polystyrene. 1 µl (Neutral)

Item no.	Packing	Colour	Vol. µl	PU	PU CHF
APT6001/SG	20 Stk.	Neutral	1	2000	53.85
APT6002/SG	5 Stk.	Neutral	1	1000	37.30
APT6001/SG/CS	Individually packed	Neutral	1	400	27.65



STERILE IMPREGNATION BLADE 10 µl

STERILE INJECTION GUN : With incorporated needle / Material: Polystyrene. 10 µl (Blue)

Item no.	Packing	Colour	Vol. µl	PU	PU CHF
APT6010/SG	20 Stk.	Blue	10	2000	53.85
APT6011/SG	5 Stk.	Blue	10	1000	37.30
APT6010/SG/CS	Individually packed	Blue	10	400	27.65

STERILE IMPREGNATION 1 + 10 µl

STERILE IMPACT Sling with 2 loop
With two loops, capacity 10 ul on one end and 1 ul on the other
Material: Polystyrene. 1 + 10 µl (yellow)

Item no.	Packing	Colour	Vol. µl	PU	PU CHF
APT6005/SG	20 Stk.	Yellow	10+1	2000	62.90
APT6015/SG	5 Stk.	Yellow	10+1	1000	40.90
APT6005/SG/CS	Individually packed	Yellow	10+1	400	29.10

STERILE INOCULATION NEEDLE

STERILE INOCULATING NEEDLE : Sterile inoculating tip with Spreader ball. The ball enables a perfect smear to be made with a single unit. Material: Polystyrene. (Dark blue)

Item no.	Packing	Colour	PU	PU CHF
APT6040/SG	20 Stk.	Dark blue	2000	96.40

Cotton swab with wooden stick

Cotton bud with wooden stick. Length 150 mm **Item**

Item no.	Packing	Length	PU	PU CHF
APT5100	Non-sterile (100)	150 mm	2000	33.30
APT5100/SG/CS	Sterile / single	150 mm	1000	44.55
APT5100/SG/2	Sterile / per 2 pcs.	150 mm	3000	111.85
APT5100/SG/10	Sterile / per 10 pcs.	150 mm	5000	159.10

Swab with plastic shaft

Swab with plastic shaft, rayon tip. Length 150 mm **Item no.**

Item no.	Packing	Length	PU	PU CHF
APT6100	Non-sterile (100)	150 mm	4000	88.75
APT6100/SG/CS	Sterile / single	150 mm	1000	47.85

Swab with aluminium rod

Swabs with aluminium rod, rayon tip. Recommended for collection of eye and urethral specimens. Length 145 mm Diameter 0.9mm

Item no.	Packed	Length	PU	PU CHF
APT7100	Non-sterile (100)	150 mm	2000	214.55
APT7100/SG/CS	Sterile / single	150 mm	1800	376.40

Sample container with safety screw cap

Sample container, sample container, urine collection container with safety screw cap. Polypropylene container with screw cap that ensures absolute safety. Lid has a yellow colour. Graduated, also available with BIOHAZARD symbol and labelling field. Available non-sterile, sterile and individually packed.

Item no.	Vol. ml	Dimension mm	Type	PU	PU CHF
APT14120	20	∅ 35 x 40	Not sterile	1000	122.00
APT14120/SG/CS	20	∅ 35 x 40	Sterile - Individually packed	500	85.40
APT14121	40	∅ 47 x 39	Not sterile	500	85.40
APT14121/SG/CS	40	∅ 47 x 39	Sterile - Individually packed	500	113.15
APT14122	60	∅ 47 x 58	Not sterile	500	94.30
APT14122/SG/CS	60	∅ 47 x 58	Sterile - Individually packed	500	136.70
APT14123	90	∅ 47 x 73	Not sterile	300	66.75
APT14123/SG/CS	90	∅ 47 x 73	Sterile - Individually packed	300	88.50
APT14124	120	∅ 55 x 77	Not sterile	300	74.55
APT14124/SG/CS	120	∅ 55 x 77	Sterile - Individually packed	250	83.20
APT14149	160	∅ 58 x 99	Not sterile	200	66.55
APT14149/SG/CS	160	∅ 58 x 99	Sterile - Individually packed	200	83.40
APT14151	250	∅ 95 x 56	Not sterile	154	109.30
APT14151/SG/CS	250	∅ 95 x 56	Sterile - Individually packed	77	109.30
APT14152	500	∅ 95 x 105	Not sterile	132	123.00
APT14152/SG/CS	500	∅ 95 x 105	Sterile - Individually packed	66	96.60
APT14153	1000	∅ 118 x 138	Not sterile	64	93.40
APT14153/SG/CS	1000	∅ 118 x 138	Sterile - Individually packed	32	80.35

ABDOS Cup

Pressure-resistant beakers, sample containers PP/ HDPE
Ultra-clear polypropylene containers with leak-proof screw cap made of polyethylene. Roughened surface for easy writing. Clear and easy to read graduation.
Non-sterile containers have tear-off ring on closure for maximum cleanliness.
The sterile containers are individually packed in polyethylene bags.

Item no.	Size (ml)	Division	Height	PU	PU CHF
P40101	60	10 ml	58 mm	400	51.80
P40102	60 (Steril)	10 ml	58 mm	350	58.20
P40105	60 (with stool spoon)	10 ml	58 mm	400	58.90
P40106	60 (with stool spoon)	10 ml	58 mm	350	68.80
P40103	120	20 ml	80 mm	200	36.85
P40104	120 (Steril)	20 ml	80 mm	200	47.40
P40112	200	20 ml	120 mm	100	40.10
P40113	200 (Steril)	20 ml	120 mm	100	47.40

Reaction vessel rack

Rack for micro centrifuge tubes.
Reaction tube rack made of PP for 1.5 & 2.0 ml with 20 places.

Product features

- Robust rack with rubber feet for more stability.
- Racks snap together on each side to allow the user to attach multiple racks for larger experiments.
- Compatible with 1.5ml and 2.0ml microcentrifuge tubes, reaction tubes.
- Easy removal and insertion of reaction tubes.
- Each hole has cast-in numbers for easy sample identification
-

Item no.	PU	PU CHF
ABDP20205	1	5.90

Accumax reaction tubes

Accumax offers high quality polypropylene microcentrifuge tubes, also known as reaction tubes, which provide convenience and reliability for storage, isolation, centrifugation and sample preparation. These tubes are ideal for a wide range of applications in microbiology, molecular biology, biochemistry and a variety of bio-analytical techniques.

Features

- Automatic production without human
- touch One-hand operation
- Maximum G-force up to 20'000
- Writing surface on the cap surface

Features

- Clear and transparent tubes
- Leak-proof lid to protect against accidental leakage
- Clear and large graduation on the reaction vessel
- Compatible with all standard and high-performance centrifuge rotors

- Diamand finished moulds manufactured in Switzerland
- US FDA approved raw material
- Certified DNase-, RNase-, endotoxin-, pyrogee- and human DNA-free
  US FDA-approved polypropylene that contains no traces of heavy metals
- Withstands temperatures from -80° to +121° C
- These reaction tubes have a smooth surface to
- increase sample recovery
- Non-cytotoxic and biologically inert

Options: white tubes, colour assorted tubes and amber tubes for light sensitive reagents.

Item no.	Volume	Description	PU	PU CHF
ACT-005-B	0.5 ml	Reaction vessel, with writing field	1000	15.25
ACT-017-B	1.5 ml	Reaction vessel, with writing field	1000	16.20
ACT-020-B	2.0 ml	Reaction vessel, with writing field	500	11.00

Reaction vessels (with additional safety lock)

Reaction vessels with additional safety closure.

Made of polypropylene (PP). Stable lid lock on the reaction vessels prevents uncontrolled opening of the vessels, which is essential especially when working with valuable samples as well as radioactive substances or DNA.

Features

- Autoclavable when open at 121 °C, 20 min
- 2.0 ml to 20,000 g centrifugable
- Produced in microbiologically controlled clean room ISO 146441-1 class 8
- Closure safety due to locking lid; unintentional opening of lid during incubation not possible
- Graduation for easy volume determination

- 0.5 ml and 1.5 ml up to 30,000 g centrifugable
- RNase- and DNase-, DNA-, pyrogen-free- free of human DNA,- endotoxin-free
- Optimum tightness due to sealing rib on the lid and sealing groove on the tube, thus low evaporation
- High chemical resistance- Labelling fields on lid and vessel

Item no.	Volume	PU	PU CHF
APT1103SCL	Safety-Cap Reaktionsgefäße, PP, 0,5 ml, natur	1000	25.80
APT1003SCL	Safety-Cap Reaktionsgefäße, PP, 1,5 ml, natur	1000	26.90
APT1303SCL	Safety-Cap Reaktionsgefäße, PP, 2,0 ml, natur	1000	36.00
APT1403SCL	Safety-Cap Reaktionsgefäße, PP, 5,0 ml, natur	500	65.00

Reaction vessels LOW RETENTION

Reaction vessels "LOW RETENTION" with guaranteed tight closure Tested by the "635 mm/Hg Leak test" There are many reaction vessels on the market. However, the reaction vessels from Ab-dos are tested with the "635 mm/Hg Leak Test" and thus guarantee that the closure will not open even when heated. The price of these reaction vessels is impressive and they are among the best value for money in this top quality. Low Retention! Resistant to various organic solvents.
BOIL-PROOF

Item no.	Volume	Diameter (mm)	Height (mm)	PU	PU CHF
P10208 Low Retention	0.5	10	31.5	1000	17.00
P10209 Low Retention	1.5	13	41	500	11.00
P10210 Low Retention	2.0	13	41	500	13.20

50s & 15s rack

50 & 15 tube racks, centrifuge tube racks, test tube racks Alphanumeric index aid for tube identification. Also suitable for stable use in a water bath. Autoclavable.

Item no.	Number of places	L x W x H (mm)	PU	PU CHF
ABDP20218	6x3 (50ml) /5x2 (15ml)	209 x 171 x 63	4	27.55
ABDP20219	6x5 (50ml) /5x4 (15ml)	209 x 198 x 63	4	27.55

Accumax centrifuge tubes

Accumax centrifuge tubes "made with Swiss tools".
Accumax centrifuge tubes are irreplaceable for the isolation, stratification or density gradient separation of samples. Using centrifuges and microcentrifuges, they have many applications in the fields of biology (especially for cell culture and microbiology), chemistry, clinical healthcare and in the wider industrial environment.
Centrifuge tubes with white labelling field
in excellent transparency and with high chemical resistance made of PP

- Sterilised by gamma radiation
- With precise graduation
- Clear and large graduations on the centrifuge tube Clear, very transparent surface
- Compatible with all standard and high performance centrifuge rotors
- Made with Swiss tools
- Centrifugable up to 20,000 x g, stand-up tubes up to
- 7,000 x g Leak-proof seal against accidental spillage
- Large writing surface on centrifuge tube for easy marking and labelling
- Can withstand temperatures from -80 °C to 121 ° C
- Non-cytotoxic and biologically inert

Optionally available in brown colour for light-sensitive reagents and in other packaging.

Item no.	Description	PU	PU CHF
ACT15BS	15 ml. Centrifuge tube with flat lid. Sterile	500 (25x20)	59.00
ACT50BS	50 ml. Centrifuge tube with flat lid. Sterile	500 (25x20)	65.00
ACT50KBS	50 ml. Standing rim, centrifuge tube with flat lid. Sterile	500 (25x20)	99.50

Accumax certified heavy metal free centrifuge tubes

Accumax certified heavy metal free centrifuge tubes
Heavy metal-free centrifuge tubes are specially manufactured to ensure that common trace metals do not interfere with the experiments by providing levels below an ICP-MS detection level of one part per trillion (<1 ppb). The metals included in the tests are: Boron, Aluminium, Phosphorus, Arsenic, Selenium, Cadmium, Lead, Chromium, Manganese, Iron, Nickel, Copper, Zinc. Pure, additive-free natural writing surface for easy writing. Tubes and caps are made from pure, 100% medical grade resins. Certified: traces of heavy metals below one part per trillion (<1ppb). Made with Swiss tools.

Item no.	Description	PU	PU CHF
ACT15BT	15 ml. Heavy metal-free centrifuge tubes. Sterile	500 (25x20)	90.20
ACT50BT	50 ml. Heavy metal-free centrifuge tubes. Sterile	500 (25x20)	124.00

Autoclave bag

Destruction bag, autoclave bag, BIOHAZARD
Warning label with indication field - or without imprint. For the safe disposal of laboratory waste such as pipette tips, sample tubes, Petri dishes, medical consumables from the laboratory, industry or hospital made of 50 µm thick polypropylene and an extremely strong bottom seam. PP, autoclavable up to 134°C, transparent, with or without "Biohazard" imprint. Autoclavable disposable waste bag made of extra strong polypropylene film with wide bottom seam, for disposal of contaminated material.

Features

- the white indication field turns dark due to the completed autoclaving process
- autoclavable up to 134°C
- with BIOHAZARD symbol and safety print in English, French, German & Spanish describing when the contents are free from contamination.

Art.Nr.	Grösse	VE	VE CHF
7001000	200x300mm	Box 100	5.70
7002100	300x500 mm	500	218.05
7002150	400x780 mm	500	289.90
7002200	600x800 mm	500	333.7
7001300	700x1100 mm	350	240.95

Also available without imprint.

Stand for disposal bags

Stand for disposal bags, destruction bags of size
(200x300mm) Stand size: 120mm diameter x 250 mm height.
White with hygienic epoxy coating

Item no.	PU	PU CHF
297813000	1	12.95

PCR article

PCR article

A PCR test is a laboratory method from molecular biology and medicine. The test is used for the direct detection - and characterisation - of genetic material. The PCR method is considered by experts to be easy to perform, universally applicable and a robust method. In the laboratory, a PCR test consists of two steps. In the first step, the existing genetic material is amplified using the polymerase chain reaction (PCR). In this way, the smallest traces of DNA can be examined. This is also the reason why PCR tests are so sensitive. In a second step, the genetic material is separated according to its properties, "sorted" and thus characterised. In other words, the fine structure of the DNA is determined.

Highlights of the Accumax PCR products

- Ultra-thin walls, are 0.35mm thin, ensuring maximum
- heat transfer Assured evaporation rate of <5%.
- Free from PCR inhibitor and endotoxin
- Universal adaptability to thermal cyclers of different brands Certified DNase, RNase &
- Human DNA free

MADE WITH SWISS TOOLS

Item no.	Description	Subpackaging	PU	PU CHF
ACCAPC001	0.2ml tubes with flat lid, clear	500 Tubes	500 Tubes X 6 Packs	94.00
ACCAPC011	0.2ml PCR 8-strip-with attached flat cap	12 Strips	12 Strips X 10 Packs	75.10
ACCAPC012	0.2ml PCR 8-strip- with separate flat cap	12 Strips	12 Strips X 10 Packs + 120 Caps	75.10
ACCAPC013	0.2ml PCR 8-strip & separate domed lid	12 Strips	12 Strips X 10 Packs+ 120 Caps	75.10
ACCAPC014	0.1ml qPCR 8-strips with optical caps	12 Strips + 12 Caps	(12 Strips + 12 Caps) X 10 Packs	99.50
ACCAPC015	0.1ml qPCR 8-strip White with optical caps	12 Strips + 12 Caps	(12 Strips + 12 Caps) X 10 Packs	99.50
ACCAPC016	0.2ml qPCR 8-strips with optical caps	12 Strips + 12 Caps	(12 Strips + 12 Caps) X 10 Packs	99.50
ACCAPC017	0.2ml qPCR 8-strip White with optical caps	12 Strips + 12 Caps	(12 Strips + 12 Caps) X 10 Packs	99.50
ACCAPC021	0.2 ml, without rim, standard profile PCR 96 well plate	10 Platten	10 Platten X 5 Packs	99.50
ACCAPC022	0.2ml, Sub-Semi Skirted, Standard Profil qPCR 96 Well Platte	10 Platten	10 Platten X 5 Packs	187.75
ACCAPC023	0.1ml, Sub-Semi Skirted, Low Profile qPCR 96 Well Platte	10 Platten	10 Platten X 5 Packs	187.75
ACCAPC024	0.1ml Semi skirted, Low Profile qPCR 96 Well Platte	10 Platten	10 Platten X 5 Packs	187.75
ACCAPC025	0.1ml, Semi skirted, Low Profile qPCR 96 well Weisse Platte	10 Platten	10 Platten X 5 Packs	187.75

Syringe filter

Filtration is achieved by pushing the sample through the membrane with a syringe or other luer connection. Syringe filters allow you to keep the volume low, which can be beneficial for sensitive samples. It also allows you to filter into almost any tube, vial or column that is the next step in your analysis.

Selection guide for syringe filters

- Syringe filters are used for many routine preparation steps in laboratories around the world
- Haslab syringe filters are suitable for a wide range of applications
- They are practical, ready-to-use disposables for removing particles from solutions and gases.
- The filters are clean and safe as they are virtually free of leachable and extractable substances. Reliably remove particles and microorganisms without leakage

Diameter	Sample volume	Pre-cut membrane	Sample volume
13mm syringe filter	less than or equal to 10 ml	13 mm pre-cut membranes	up to 20 ml
25mm syringe filter	less than or equal to 100 ml	25 mm pre-cut membranes	up to 100 ml
30mm syringe filter	less than or equal to 150ml	47mm pre-cut membranes	>100ml

Membrane selection guide

The selection of a membrane filter is based on the size and amount of particles in the sample, the chemical compatibility with the membrane, the sample matrix and possible interactions (binding) between the membranes and the sample. This table provides general guidelines on membrane properties and applications.

Nylon	- High mechanical strength and tensile strength. - Suitable for most organic solvents and medium polar liquids.
PES	· High flow rates (liquids), low protein binding, low concentrations of extractable substances. · Low affinity for proteins with much faster flow rates than PVDF; suitable for pre-filtration and filtration of buffers and culture media.
PTFE Hydrophil	· For removing particles, reducing interfering signals and maintaining flat baselines. · For filtering aqueous and organic solutions. · Compatible with strong acids and aggressive solvents. · Suitable for gas, air and solvent filtration
PTFE Hydrophob	· High mechanical strength and tensile strength. · Use for most organic solvents and medium polar liquids. · Compatible with strong acids and aggressive solvents. · Suitable for gas, air and solvent filtration
PVDF Hydrophil	· Low protein binding for filtration of non-aggressive aqueous and mild organic solutions. · Low UV absorbing extractables and low non-specific protein binding. · Good flow rate. Ideal for chromatography applications. · Suitable for HPLC sample preparation and general filtration.
PVDF Hydrophob	· Filtration of water-soluble oligomers and polymers, e.g. protein solutions. · Filtration of hydrophobic substances in various organic solvents. · Good flow rate. Ideal for chromatography applications. · Suitable for HPLC sample preparation and general filtration.
CA	· CA membranes are used in the filtration of tissue culture media. · Best suited for general filtration and biological/clinical analyses requiring maximum protein recovery. · High temperature stability for use with heated fluids.
RC	· The best option for reliable and leach-free sterilisation of liquids. · The very low non-specific binding properties of this membrane make it the perfect choice for biomolecular solutions and other dissolved substances.
MCE	· Biologically inert mixtures of cellulose acetate and cellulose nitrate. · Membranes for analytics and research.

Ask us!

Filtration bottles

Filtration bottles
The BIOFILL bottle-top filtration system is available as a full assembly or bottle-top funnel. These bottle-top systems are sterile, vacuum-operated, disposable systems for the sterile preparation of buffers, tissue culture media, microbiological media and other biological fluids. The filtration bottles are available with pore sizes of 0.1 um, 0.22 um and 0.45 um made of PES. The ABDOS PES membrane has low protein binding and is free of surfactants.

- The BIOFILL filtration system is used for sterilisation or clarification of aqueous laboratory liquids. The filters are gamma irradiated & manufactured in clean room facility.
- The filtration funnels are compatible with the Quick Connect base system, a retaining ring for use with existing laboratory stands, & vacuum tubing adapters. The Quick Connect base provides a unique vacuum connection & one-hand operation.
- The complete system consists of a polystyrene filter funnel and receiving bottle, a SAFE grip cap and a vacuum tube adapter. The systems are also available for 15 ml and 50 ml polypropylene centrifuge tubes.

Item no.	Description	Vol. Top	Vol. Bottom	Membrane	Diameter	PU	PU CHF
P21090	250ml, 0.2µm PES bottle top filter, complete, sterile	250 ml	250 ml	0.2 µm	66 mm	12	146.95
P21091	500ml, 0.2µm PES bottle top filter, complete, sterile	500 ml	500 ml	0.2 µm	90 mm	12	199.45
P21092	1000mL, 0.2µm PES bottle top filter, complete, sterile	1000 ml	1000 ml	0.2 µm	90 mm	12	262.40
P21093	250ml, 0.45µm PES-Flaschenaufsatzfilter, komplett, steril	250 ml	250 ml	0.45 µm	66 mm	12	146.95
P21094	500ml, 0.45µm PES bottle top filter, complete, sterile	500 ml	500 ml	0.45 µm	90 mm	12	178.45
P21095	1000ml, 0.45µm PES bottle top filter, complete, sterile	1000 ml	1000 ml	0.45 µm	90 mm	12	256.10
P21096	250ml, 0.1µm PES bottle top filter, complete, sterile	250 ml	250 ml	0.1 µm	66 mm	12	188.95
P21097	500ml, 0.1µm PES bottle top filter, complete, sterile	500 ml	500 ml	0.1 µm	90 mm	12	241.40
P21098	1000ml, 0.1µm PES bottle top filter, complete, sterile	1000 ml	1000 ml	0.1 µm	90 mm	12	304.40
P21099	50ml Centrifuge Tube and Funnel, 0.2µm PES , Sterile	50 ml	50 ml	0.2 µm	40 mm	24	272.70
P21100	15ml Centrifuge Tube and Funnel, 0.2µm PES , Sterile	50 ml	15 ml	0.2 µm	40 mm	24	272.90

Item no.	Description	Vol. Top	Thread	Membrane	Diameter	PU	PU CHF
P21101	250ml Funnel only with 0.2 um PES membrane, sterile	250 ml	GL45	0.2 µm	66 mm	24	221.40
P21102	500ml Funnel only with 0.2 um PES membrane, sterile	500 ml	GL45	0.2 µm	90 mm	24	277.10
P21103	1000ml Funnel only with 0.2 um PES membrane, sterile	1000 ml	GL45	0.2 µm	90 mm	24	440.80
P21104	250ml Funnel only with 0.1 um PES membrane, sterile	250 ml	GL45	0.1 µm	66 mm	24	314.90
P21105	500ml Funnel only with 0.1 um PES membrane, sterile	500 ml	GL45	0.1 µm	90 mm	24	356.85
P21106	1000ml Funnel only with 0.1 um PES membrane, sterile	1000 ml	GL45	0.1 µm	90 mm	24	482.80
P21107	250ml Funnel only with 0.45 um PES membrane, sterile	250 ml	GL45	0.45 µm	66 mm	24	243.50
P21108	1000ml Funnel only with 0,45 um PES-Membran, steril	1000 ml	GL45	0.45 µm	90 mm	24	277.10
P21109	1000ml Funnel only with 0.45 um PES membrane, sterile	1000 ml	GL45	0.45 µm	90 mm	24	440.80

Chromatography

Chromatography

Chromatography is most easily explained by a comparison:

A raging river can carry quite a bit of flotsam. The speed at which the flotsam is moved on depends on the type of flotsam (grains of sand are transported faster than pebbles), on the nature of the riverbed (rough surfaces increase the friction of the flotsam and thus reduce the speed of transport) and on the flow velocity. In chromatography, different substances (= flotsam) are transported in the so-called mobile phase (= water) on a stationary phase (= river bed). Due to the interactions between the sample, the stationary phase and the mobile phase, individual substances are transported at different speeds and thus separated from each other. Ask us!

Deep-freeze test storage

Deep-freezing plays a major role in the chemical and pharmaceutical industry. When it comes to storing pharmaceutical products, storage at low temperatures is necessary. Many starting, intermediate and end products in pharmaceutical production need to be processed or stored at low temperatures to maintain their effectiveness.

Cryogenic tubes with internal or external thread

Cryogenic tubes with internal or external threads
Cryogenic tubes from Abdos are made of high-purity polypropylene (PP) of USP class VI in medical quality according to US FDA 21 CFR, which is free of natural rubber and heavy metals.

- The Abdos cryotube is designed for long-term cryogenic storage of biological samples, all cell types and any enzymes or reagents. These cryotubes are designed for freezing.
- The large white frosted area facilitates labelling. The unique Star Foot design allows one-hand operation in the Abdos P20616 one-hand cryo holder.
- The sterile tubes have been validated for SAL 10-6 according to ISO 11137.
- The leak-proof cap design and strong wall thickness make it an ideal product for sample transport and storage. Manufactured for temperatures between -196 ° C and 121 ° C.
- Screen-printed graduation facilitates identification. Best suited for IVD use (an IVD certified product).

Internal thread

Item no.	Description	Diameter	Height	PU	PU CHF
P60108	1.0 ml Sterile Star Foot	12.3 mm	41.2 mm	1000	210.00
P60109	1.8 ml Sterile Star Foot	12.3 mm	47.5 mm	1000	222.05
P60112	4.5 ml Sterile Star Foot	12.3 mm	90.3 mm	500	147.95

External thread

Item no.	Description	Diameter	Height	PU	PU CHF
P60115	1.0 ml Sterile Star Foot	12.00 mm	41.0 mm	1000	125.80
P60116	1.8 ml Sterile Star Foot	12.00 mm	48.5 mm	1000	133.20
P60118	4.5 ml Sterile Skirted	11.80 mm	86.5 mm	500	111.05

Encoder for cryotubes

Cryo-encoder for cryotubes with external and internal thread, HDPE Cryo-encoder for cryotubes with external and internal thread, HDPE

- These coders fit on the top of the cryo tube with male and female threads.
- Available in a variety of colours.
- These allow quick visual identification of specific vials to simplify the inventory process

Item no. X=colours	Colours	CHF Price per 100 pcs.
ABD60114BX	Various colours	6.00

One-hand cryo holder, PP

One-hand cryo holder, PP, white.
Designed for use with cryo vials.
It has a unique innovative locking system that allows the user to open/close the cryo vial with the star base with one hand.
Built-in numbered and letter grid for sample identification. Non-slip rubber feet support the rack. Can be autoclaved.

Item no.	CHF pcs.
ABDP20616	CHF 9.90

Cryo skirt

Cryo skirt
Protection against splashes of cryogenic gases. Made with a special extra durable and coated composite fabric.

Item no.	Size	CHF pcs.
U20332	106.7 cm	285.20
U20333	121.9 cm	313.90
U20334	137.2 cm	336.45

Cryogenic gloves

The cryogenic protective gloves protect hands and arms from hazards when working in the deep-freeze area due to splashes of cryogenic gases up to -196 °C. Lightweight, breathable and comfortable.

Item no.	Size	CHF per pair
U20324	Mid Arm M	281.10
U20325	Mid Arm L	281.10
U20328	Elbow M	348.80
U20329	Elbow L	348.80

Ultra-low freezer racks and boxes

Ultra-low freezer racks and boxes

The Cryo Products section offers you a great selection of products for preservation and storage under cryogenic conditions. This includes cryo-boxes made of various materials, cryo-tubes and storage solutions for freezers and chest freezers, as well as corresponding accessories.

Cryoboxes carton

Item no.	Products / Cardboard	PU	CHF PU
5131501	Cryo boxes, cardboard, standard, white, 133 x 133 x 50 mm	10	20.70
5131502	Cryo boxes, cardboard, standard, blue, 133 x 133 x 50 mm	10	33.95
5131503	Cryo boxes, cardboard, standard, red, 133 x 133 x 50 mm	10	33.95
5131504	Cryo boxes, cardboard, standard, green, 133 x 133 x 50 mm	10	33.95
5131505	Cryo boxes, cardboard, standard, yellow, 133 x 133 x 50 mm	10	33.95
5131751	Cryo boxes, cardboard, standard, white, 133 x 133 x 75 mm	10	29.05
5131752	Cryo boxes, cardboard, standard, blue, 133 x 133 x 75 mm	10	39.00
5131753	Cryo boxes, cardboard, standard, red, 133 x 133 x 75 mm	10	39.00
5131754	Cryo boxes, cardboard, standard, green, 133 x 133 x 75 mm	10	39.00
5120174	Grid, height 30mm, 9x9	10	16.10
5120174	Grid, height 30mm, 10x10	10	16.10

Cryoboxes PP

Cryo boxes with grid insert made of PP, format 133 x 133 mm. Made of high-quality, natural-coloured or coloured polypropylene.

- autoclavable, temperature resistant from - 90 °C to + 121
- °C Drain holes for baptismal fluid at the bottom
- Cryo boxes can also be used for larger vessels without grid inserts
- 81 spaces in 9 x 9 grid numerically coded
- removable grid inserts

Cryogenic boxes PP

Item no.	Products / PP / down to minus 90°C	VE	VE CHF
5320010	PP, grid 9 x 9, natural, 133 x 133 x 75/50mm, combination lid	5	28.80
5320011	PP, grid 9 x 9, yellow, 133 x 133 x 75/50mm, combination lid	5	28.80
5320012	PP, grid 9 x 9, red, 133 x 133 x 75/50mm, combination lid	5	28.80
5320013	PP, grid 9 x 9, green, 133 x 133 x 75/50mm, combination lid	5	28.80
5320014	PP, grid 9 x 9, blue, 133 x 133 x 75/50mm, combination lid	5	28.80
5120010	PP, grid, 9 x 9, natural, 133 x 133 x 52mm , hinged lid	5	22.20
5120011	PP, grid 9 x 9, yellow, 133 x 133 x 52mm, hinged lid	5	22.20
5120012	PP, grid 9 x 9, red, 133 x 133 x 52mm, hinged lid	5	22.20
5120013	PP, grid 9 x 9, green, 133 x 133 x 52mm, hinged lid	5	22.20
5120014	PP, grid 9 x 9, blue, 133 x 133 x 52mm, hinged lid	5	22.20

Cryogenic boxes PC

Cryo boxes with grid insert made of PC, format 132 x 132 mm and 76 x 76 mm
Made of high-quality, coloured polycarbonate (PC). For use in liquid nitrogen.

- autoclavable, temperature resistant from - 190 °C to
- +121 °C 1/4 format with 25 positions available in 5 x
- 5 grid Stacking corners for safe transport
- 81 or 100 spaces in 9 x 9 or 10 x 10 grid,
- numerically coded Drainage openings for
- baptising liquid and nitrogen gas at the bottom

Item no.	Products / PC / down to minus 190°C	PU	PU CHF
5150001	Cryo boxes, PC, grid 9 x 9, blue, 132 x 132 x 52 mm	5	50.05
5150002	Cryo boxes, PC, grid 9 x 9, green, 132 x 132 x 52 mm	5	50.05
5150003	Cryo-boxes, PC, grid 9 x 9, red, 132 x 132 x 52 mm	5	50.05
5150004	Cryo boxes, PC, grid 9 x 9, yellow, 132 x 132 x 52 mm	5	50.05
5150011	Cryo-boxes, PC, grid 10 x 10, blue, 132 x 132 x 52 mm	5	50.65
5150012	Cryo boxes, PC, grid 10 x 10, green, 132 x 132 x 52 mm	5	50.65
5150013	Cryo-boxes, PC, grid 10 x 10, red, 132 x 132 x 52 mm	5	50.65
5150014	Cryo-boxes, PC, grid 10 x 10, yellow, 132 x 132 x 52 mm	5	50.65
5150015	Cryo boxes, PC, grid 10 x 10, white, 132 x 132 x 52 mm	5	50.65

Freezer racks available / Ask us!

Haslab cleaning articles and protective articles

Haslab Cleaning & Protection Articles

We would be pleased to show you a selection of cleaning articles from our range. High demands in laboratories always require permanent quality. With articles also for the clean room, including disposable mops and accessories, we round off this range. Ask us and request a suitable offer. Being protected from dangers, from risks "The safety of workplaces is the top priority".

Haslab Skin Protection and Care Cream

LINDESA® K PROFESSIONAL is a special skin protection and care cream with natural beeswax and camomile.

Product features

- grease-free, fast-absorbing skin protection and care cream, emulsion type O/W (oil in water)
- silicone-free
- strengthens the skin's defence function, prevents skin damage caused by external stress and has a normalising effect on irritated skin areas
- without being greasy
  Perfumed

Application

- LINDESA® K PROFESSIONAL is carefully applied to previously cleaned skin areas before starting work and after breaks.
- Pay attention to particularly vulnerable skin areas, e.g. between the fingers and on the nails.
- A small amount of cream, applied thoroughly and evenly, is sufficient.
- In case of longer working intervals, the application should be repeated.

Protects & cares for your skin

Skin and protective cream / delicately scented

Item no.	ml	CHF pcs.
364300455	100	4.40

Laboratory protection paper

Haslab "Absorbent" laboratory protection paper

- Lab bench paper 48x60 cm, plasticised on one side, 144gr / mq
- The top side is a high-quality filter paper for quickly absorbing spilled liquids.
- The bottom side is PE coated which protects the lab table from the liquid.

Item no.	PU	PU CHF
APT16600	100	75.00

Haslab cellulose wipes

Haslab's Tissue cellulose wipes are 2-ply, soft, absorbent and low linting.

Item no.	Colour	Description	PU	Sheet format	PU CHF
REI81288	white	Haslab tissue, cellulose wipes	150 cloths / box	190x190 mm	1.05

Haslab non-woven wipes

Haslab non-woven wipes, cleaning wipes, particle arm, lint-free.

The cleanroom wipes are made of special bonded non-woven materials (nonwoven) of polyester cellulose or polyester microfibre and are suitable for various tasks in the laboratory and cleanroom - from general cleaning & disinfection to the absorption of liquids.

Features

- Very absorbent and durable
- No chemical binders, chemical resistant
- Very soft, cleans surfaces without scratches
- Lint-free, very low
- particles Good ability to remove impurities

Applications

1) Used in laboratories, semiconductor industry, SMT, PCB product lines, chips, microprocessors, etc.
2) Good for cleaning work surfaces, tools, machines, glasses, etc.
3) Very ideal for class 1000 cleanrooms.

Specification

PN	Material	Unit weight	Absorbency	Thickness
0412-60 g / m^2	55% Cellulose und 45% Polyester	60 g / m2	238 ml / m2	0,28 mm

Item no.	Size in cm	PU	PU CHF
REI1010	10 x 10	1200	17.90
REI1515	15 x 15	300	11.05
REI2323	23 x 23	300	17.90
REI3030	30.5 x 30.5	300	67.50

Kitchen towels

Kitchen rolls, household rolls

Features

- 100% pulp
- Deep embossing
- "3-ply"
- Layer-glued
- Pack of 2 rolls

120 sheets à 25.2 x 21.5 cm bag of 10 pack (32.00CHF)

Item no.	PU	PU CHF
REI81298	2 Rolls	3.20

Kimtech Science Precision Wipes

Item no.	Colour	Layers	Size	Content	CHF
7552	White	1 / fuselfree	21.3cm x 11.40cm	30 boxes with 280 cloths = 8400 cloths	224.35

Cleaning roll "Blue" 100% cellulose 2-ply

Item no.	Description	Sizes	PU	PU CHF
REI81267	embossed, layer-glued, 190 rm	500 sheets à 38 cm length x 36 cm spiral sleeve 71 mm roll diameter 25	2 Rolls	29.90

Cleaning roll "Blue" 100% cellulose 3-ply

Item no.	Description	Sizes	PU	PU CHF
REI81279	embossed, layer-glued, 190 rm	500 sheets à 38 cm length x 36 cm spiral sleeve 71 mm roll diameter 31 cm	2 Rolls	42.90

Cleaning roll "White" 100% cellulose, 2-ply

Item no.	Description	Sizes	PU	PU CHF
REI81277	embossed, layer-glued, 325 rm	903 sheets à 36 cm length x 29cm spiral sleeve 71 mm roll diameter 27	2 Rollen	37.40

Cleaning roll dispenser

Cleaning tissues- cleaning roll dispenser, mobile, made of blue metal.

With holder for waste sacks and large rolls up to 40 cm roll width

Item no.	CHF pcs.
378006155	109.90

Table stand for large rolls, also suitable as wall holder

Item no.	CHF pcs.
378006146	89.00

Disposable PP clip cap size S-M

Disposable PP clip cap, hair protection caps.

- Material: Fleece 10 g / m²
- PP Individually elastic

Item no.	Colour	Standard	Size	PU	PU CHF
SCHHaarS	White	GB15979 / CE-Zertifikat	18“	100	3.75

Disposable PP clip cap size L-XL

Disposable PP clip cap, hair protection caps.

- Material: Fleece 10 g / m² PP
- Individually elastic
- Machine Made Style: Mob
- Cap / Clip Cap

Item no.	Colour	Standard	Size	PU	PU CHF
SCHHaarL	White	GB15979 / CE-Zertifikat	21“	100	3.75

Disposable PP beard cover

Haslab disposable PP beard cover, beard protector.

- Fleece PP 10gsm
- Individually elastic
- Machine made

Item no.	Colour	Standard	Size	PU	PU CHF
SCHBart	White	GB15979 / CE-Zertifikat	21“	100	6.90

Shoe cover, overshoes 3.5 g

Disposable PE shoe cover

- Style: Shoe cover, single elastic, machine-made
- Material: non-woven 3.5 g / pc.
- Overshoes

Item no.	Colour	Advantage	Size	PU	PU CHF
SCHSchuh	Blue	Waterproof	43 * 16 cm	100	5.80

Disposable gown, fleece/ PP

Disposable gown

- Material: 26 g / m² PP fleece
- arm cuffs for extra protection
- 5 push buttons

Item no.	Colour	Size	PU	PU CHF
SCHPP	Antistatic White	100 x 150cm	10	13.00

Disposable gown PP + PE, protective jacket

Disposable PP + PE protective gown, protective apron, protective coat VE=10, 40 g / m² Insulation protective gown.

- Material: 40 g / m² PP fleece with PE
- coating. Neck and back to tie on

Item no.	Colour	Standard	PU	PU CHF
SCHPPPE	White	GB15979 / CE-Zertifikat / ISO13485	10	14.90

Safety goggles

Safety glasses, safety goggles, Univet

- Colour-contrasting temple ends made of anti-
- allergic rubber Eyebrow protection
- Nose bridge made of non-slip rubber

Item no.	Frame	Glasses	PU	PU CHF
513010000	clear/orange	clear (23g) Univet	1	4.90

Over-glasses protection

Protective goggles CLARELLO colourless

- Ideal for doctors, nurses, caregivers, laboratories and visitors. High mechanical strength, yet a
- robust lightweight. Excellent all-round visibility and safety.
- 100 % UV protection
- DIN EN 166 1 FT
- Also ideally suited for industrial use. Made of colourless plastic, scratch-resistant.
- Offers modern styling in combination with eyebrow and side protection.
- Also ideally suited for prescription spectacle wearers as over-glasses.

Item no.	PU	PU CHF
277395	1	3.65

Protective masks Hygiene masks

Protective masks Hygiene masks, surgical masks
Please note that the hygiene masks must bear the CE mark and must be at least type II certified according to EN 14683. It is advantageous if they are highly water-repellent to prevent rapid soaking and thus also bacterial contamination on the inside of the mask. Hygiene masks resealable bag with 10 pcs. (price per 50 pcs.)
Type: Flat ear loop type
Structure: Consisting of mask body, mask strap and nose clip
Material: PP non-woven fabric, elastic band
Instructions: Turn the folded side outwards, the nose band side up Three-layer material: The moulding layer is made of spun non-woven fabric;

The filter layer is a melt-blown nonwoven; the affinity layer is a spunbonded nonwoven.

Features

- Product protection efficiency: Type II / Very strong splash water protection.
- Outer format (mm): 180 x 95 mm (with 3 layers)
- Standard: EN 14683:2019+AC:2019 CE
- Recommended usage time: 4 - 6 hours

Item no.	PU	PU CHF
SCHLevelAEN	50	4.50

Protective masks FFP2

FFP2 Face Masks Face protection mask / Packing with 25 pcs. (individually packed)
6-layer N95-FFP2 mask with two layers of fused filters (providing the highest level of bacterial/viral filtration), non-woven medical-grade polypropylene fabric and a skin-friendly cotton filter.
Single wire insulated nosepiece for optimum fit
Soft, round, stretchable ear loop
FFP2 EN149:2001+A1:2009 / N95
Recommended usage time: 8 hrs.

Item no.	PU	PU CHF
SCHTN95FFP2	25	18,50

Hand disinfection

viraPROTECT® PLUS Hand Disinfection

The best high-performance disinfectant without alcohol, without dyes and fragrances, dermatologically tested / NON-BURNABLE
Gentle on the skin. Optimum protection. viraPROTECT® Plus hand disinfection is a VAH-listed, alcohol-free high-performance hand disinfectant with excellent skin compatibility. viraPROTECT® Plus has excellent microbiocidal performance and broad-spectrum activity against bacteria, fungi, viruses, yeasts and spores.

viraPROTECT® Plus hand disinfectant is the only liquid, alcohol-free hand disinfectant certified by the Association for Applied Hygiene (VAH) according to the recommendation of the Robert Koch Institute for the use of disinfectants in hospitals. It therefore meets a much higher quality standard than all other alcohol-free hand disinfectants.

If you have skin problems due to the use of alcohol-based disinfectants or do not want to use alcohol-based disinfectants for other reasons (e.g. because of the associated fire and environmental risks or for ethical or religious reasons), but nevertheless do not want to do without a medical-grade product, then viraPROTECT® Plus Hand Disinfection is the product of choice for you.

the product of choice for you.

viraPROTECT® Plus hand disinfection is non-flammable and is not a hazardous material during transport, storage or use. Its ingredients are excellently biodegradable.

Surface disinfection

viraPROTECT® PLUS surface disinfection

The best Alcohol- and aldehyde-free high-performance disinfectant with a broad spectrum of activity against viruses, including Sars-CoV-2; alcohol-free, colourless and fragrance-free.

The viraPROTECT® Plus surface disinfectant is applicable for use in all areas and on most surfaces.

Application areas

- Hospitals and medical practices Food packaging and processing Public buildings and schools Retail trade
- Retirement and nursing homes Hospitality industry Public transport General workplaces

viraPROTECT® Plus surface disinfection is extremely gentle on all surfaces. In particular, Viraprotect Plus surface disinfection does not attack acrylic glass (Plexiglas ®), which is why, unlike the use of alcohol-based disinfectants, there is no milky damage to protective panes.
Cleans and disinfects even in the presence of light dirt, blood and proteins.
NO DANGEROUS GOODS, can be stored without any problems.

Fulfils the requirement "Limited Virucidal Plus" according to the definition of the Virucidal Working Group of the Robert Koch Institute (RKI) and the expert group of the DVV (German Association for the Control of Viral Diseases). DVG- and VAH-compliant
Container sizes: 500 ml, 5 l and 20 l

Room disinfection

Fog-It TM PLUS

High-level disinfection without alcohol, without dyes and fragrances, based on 99.9% chlorine dioxide Fully effective against Sars-CoV2.
Virucidal high-level disinfectant and decontaminant.

The only product on the market that has been successfully tested as a non-mechanical disinfectant for the actual virus strain Sars-CoV-2.

Application areas

- Hospitals Restaurants and Hotels Shopping Shops Public Transport Car Hire Shops
- Retirement and nursing homes Food processing Public buildings and schools Air and sea traffic Emergency vehicles

Fog-It™ Plus is one of the strongest disinfectants known in the world. With its unique purity and multiple certifications (including VAH listing in accordance with the Robert Koch Institute's recommendation for hospital hygiene, EN 17272), it is the disinfectant of choice when you need maximum disinfection performance while being gentle on materials and residue-free.

Item no.	Short description:	PU	PU CHF
vppFL500	viraPROTECT® PLUS surface disinfection (spray) bottle 500ml	1	8,75
vppFL5000	viraPROTECT® PLUS surface disinfection 5 litre canister	1	58,00
vppFL20000	viraPROTECT® PLUS surface disinfection 20 litre canister	1	212,20
vppFLsprühkopf	viraPROTECT® PLUS sprayhead for vppFL500	1	8,95
vpplus100	viraPROTECT® PLUS Hand Disinfectant 100ml	1	4,55
vpplus500	viraPROTECT® hand disinfectant 500ml (dispenser bottle)	1	9,60
vpplus5000	viraPROTECT® PLUS Hand Disinfectant 5000ml	1	66,50
vpplus20000	viraPROTECT® PLUS Hand Disinfectant 20000ml	1	244,20
fogit1	Fog-ItTM PLUS Room Disinfection 1 litre	1	91,80
fogit30	Fog-ItTM PLUS Room Disinfection 30 litres	1	413,70
fogit60	Fog-ItTM PLUS Room Disinfection 60 litres	1	698,65
fogitneutral	Fog-ItTM PLUS Neutralising Agent 4x 5 litres	1	303,40

Lab coat

Doctor's coats and laboratory coats, also called doctor's coats or laboratory coats, are basically long-sleeved, knee-length and open coats that have buttons for fastening. The gowns are used as protective clothing especially for work in the medical field or in laboratories and other facilities for handling substances that may be hazardous. Laboratories exist in pharmacy, chemistry, medicine as well as biology and in each of them special protective regulations apply.
Furthermore, 100% cotton is also good from a technical point of view. Cotton does not melt - unlike synthetic fibres - and is therefore the better option when dealing with flammable liquids.

- Haslab lab coats with cuffs, 100% cotton.
- Material made of 100% cotton, washable up to 90°C and suitable for tumble-drying.
- With press studs
- Fashionable lab coat with practical cuffs.
- Length approx. 105 cm,
- 1 breast pocket (left); 2 side pockets at hip level

Item no.	Size (For ladies 1x smaller)	Pcs. CHF
SCHLMXS	XS	28.95
SCHLMS	S	28.95
SCHLMM	M	28.95
SCHLML	L	28.95
SCHLMXL	XL	28.95
SCHLMXXL	XXL	28.95

Haslab lab coat "autoclavable" with cuffs

Haslab lab coat "autoclavable" with cuff

- 98% Polyester / 2% Conductive Fibre
- Button closure
- Autoclavable (121°C)
- With pockets
- Cuffs
- White

Sterilisation compatibility: steam autoclave, gamma radiation, beta radiation, ETO

Item no.	Size	Pcs. CHF
REI2392XS	XS	27.50
REI2392S	S	27.50
REI2392M	M	27.50
REI2392L	L	27.50
REI2392XL	XL	27.50

Latex gloves

Latex gloves:

Latex is a natural product obtained from rubber trees.

Latex gloves are used in medicine, industry, trade, laboratories and private households. Latex material is very elastic, extremely tear-resistant and resistant to numerous alkalis and acids. Before handling chemicals, the user should consult the chemical resistance list.

However, this type of glove is not suitable for handling solvents and oils due to its permeability. Latex gloves offer first-class comfort with excellent tactile sensitivity. They traditionally offer the best fit and feel. The disadvantage of natural latex is that the proteins can trigger a latex allergy.

Nitrile gloves

Disposable nitrile gloves, also called synthetic latex, are made of nitrile butadiene rubber (NBR). They are used as an alternative to latex gloves because they do not contain latex proteins and therefore cannot cause allergies. Due to its smooth inner surface, the powder-free nitrile glove is easy to put on and take off. Another advantage is the extended chemical resistance of the nitrile glove (observe contact times and agents). The puncture resistance is also higher than that of a latex glove. The disposable nitrile glove can be used in the medical field, in laboratories and in the food industry.

Vinyl gloves

Vinyl gloves are the economical alternative for applications where the risk factor and mechanical load are low. They are made of polyvinyl chloride (PVC). This is done by polymerisation with the addition of plasticisers. Due to their fat solubility, the plasticisers can be dissolved in the glove material and become embedded in food. This makes the glove only suitable for handling food to a limited extent. The soft consistency of the skin-friendly material makes it pleasant to the touch. Vinyl gloves have a poorer fit than latex or nitrile gloves and limited mechanical properties. They are suitable for areas of application with a low risk factor.

POWDER-FREE NITRILE GLOVES
g 3,5 (M) thickness 0.07 mm length 24 cm

- Disposable glove, can be worn on both sides. 100% latex-free. Powder-free also to reduce the risk of
- dermatitis and contamination. PPE risk cat. 3 also for protection against chemicals and micro-organisms
- (Reg EU 2016/425).

  -- EN ISO 374-1:2016 / TYPE C: certified with a chemical.

  -- EN ISO 374-5:2016 / VIRUS: for protection against bacteria, fungi and VIRUS.
- FOOD CONTACT MATERIAL Suitable for contact with various types of food (according to Directive 2002/72/EEC, MD 21.3.1973, Regulation 2004/1935/EEC and EU Regulation 10/2011 and subsequent updates).
- Particularly soft, stretchy "Soft" composition for more sensitivity.
- Micro-rough design for more grip and sensitivity. MEDICAL and dental examination and surgical
- gloves (AQL 1.5) for temporary use (according to Directive 93/42/EEC and subsequent Legislative Decree 37/2010 transposing Directive 2007/47/EEC, standards EN 455 1, 2, 3 and 4).

Grösse XS	HANR76xs	Karton á 1000 (10X100)	VE 1x 100	VE= 7.00	Karton = 70.00
Grösse S	HANR76s	Karton á 1000 (10X100)	VE 1x 100	VE= 7.00	Karton = 70.00
Grösse M	HANR76m	Karton á 1000 (10X100)	VE 1x 100	VE= 7.00	Karton = 70.00
Grösse L	HANR76l	Karton á 1000 (10X100)	VE 1x 100	VE= 7.00	Karton = 70.00
Grösse XL	HANR76xl	Karton á 1000 (10X100)	VE 1x 100	VE= 7.00	Karton = 70.00

POWDER-FREE NITRILE GLOVES
g 4.9 (M) thickness 0.10 mm length 24 cm

Also available in length 30cm (HANR70P xx)

- Disposable glove, can be worn on both sides. 100% latex-free.
  Micro-rough design for more grip and sensitivity.
- PPE risk cat. 3 also for protection against chemicals and micro-organisms (Reg EU 2016/425).
- -- EN ISO 374-1:2016 / TYPE B: certified with 3 chemicals.

  -- EN ISO 374-5:2016 / VIRUS: for protection against bacteria, fungi and VIRUS..
- FOOD CONTACT MATERIAL Suitable for contact with various types of food (according to Directive 2002/72/EEC, MD 21.3.1973, Regulation 2004/1935/EEC and EU Regulation 10/2011 and subsequent updates).
- Durable product with a wide range of uses: manufacturing, food industry, laboratories, first aid ...
- Powder-free also to reduce the risk of dermatitis and contamination.
- MEDICAL and dental examination and surgical gloves (AQL 1.5) for temporary use (according to Directive 93/42/EEC and subsequent Legislative Decree 37/2010 transposing Directive 2007/47/EEC, standards EN 455 1, 2, 3 and 4).

Grösse S	HANR70s	Karton á 1000 (10X100)	VE 1x 100	VE= 8,75	Karton = 87.50
Grösse M	HANR70m	Karton á 1000 (10X100)	VE 1x 100	VE= 8,75	Karton = 87.50
Grösse L	HANR70l	Karton á 1000 (10X100)	VE 1x 100	VE= 8,75	Karton = 87.50
Grösse XL	HANR70xl	Karton á 1000 (10X100)	VE 1x 100	VE= 8,75	Karton = 87.50
Grösse XXL	HANR70xxl	Karton á 1000 (10X100)	VE 1x 100	VE= 8,75	Karton = 87.50

POWDER-FREE NITRILE GLOVES
g 6.0 (M) thickness 0.12 length 24 cm

- Disposable glove, can be worn on both sides. 100%
- latex-free. Powder-free also to reduce the risk of dermatitis and contamination. PPE risk cat. 3 also
- suitable for protection against chemicals and micro-organisms (EU Regulation 2016/425).

  -- EN ISO 374-1:2016 / TYPE B: certified with 3 chemicals.
  -- EN ISO 374-5:2016 / VIRUS: for protection against
- bacteria, fungi and VIRUS.

FOOD CONTACT MATERIAL Suitable for contact with various types of food (according to Directive 2002/72/EEC, MD 21.3.1973, Regulation 2004/1935/EEC and EU Regulation 10/2011 and subsequent updates).

- High thickness for high mechanical strength.
- Micro-rough design for more grip and sensitivity. MEDICAL and dental examination and surgical
- gloves (AQL 1.5) for temporary use (according to Directive 93/42/EEC and subsequent Legislative Decree 37/2010 transposing Directive 2007/47/EEC, standards EN 455 1, 2, 3 and 4).

Grösse S	HANR68s	Karton á 1000 (10X100)	VE 1x 100	VE= 12.80	Karton = 128.00
Grösse M	HANR68m	Karton á 1000 (10X100)	VE 1x 100	VE= 12.80	Karton = 128.00
Grösse L	HANR68l	Karton á 1000 (10X100)	VE 1x 100	VE= 12.80	Karton = 128.00
Grösse XL	HANR68xl	Karton á 1000 (10X100)	VE 1x 100	VE= 12.80	Karton = 128.00

NITRIL GLOVES,NON-GLUBBER- 3,2g
(M) thickness 0.07 length 24 cm

- Thanks to LOW DERMA (TM) technology, significant advances have been made in nitrile gloves in terms of protection without compromising the technical features of the gloves.
- PROTECTION: Allergy prevention; sulphur and accelerator free formula.
- CLEANLINESS: Innovative formulas and manufacturing processes ensure the purity and
- cleanliness of the gloves with low traces of metals and anions.
- Powder-free for reduced risk of contamination. PPE risk cat. 3 also suitable for protection against chemicals and micro-organisms (EU Regulation 2016/425).
- -- EN ISO 374-1:2016 / TYPE C
  -- EN ISO 374-5:2016 / VIRUS: for protection against bacteria, fungi and VIRUS.

MEDICAL DEVICE Medical and dental examination and surgical gloves (AQL 1.5) for temporary use (according to Directive 93/42/EEC and subsequent Legislative Decree 37/2010 transposing Directive 2007/47/EEC, standards EN 455 1, 2, 3 and 4).

- Due to the special "crosslinking" production technique, the essential properties of the gloves remain untouched.
- High tensile strength and tear resistance.
- Micro-rough surface for more grip.
- Chlorination on the inside facilitates donning.
- FOOD CONTACT MATERIAL Suitable for contact with various types of food (according
- to Directive 2002/72/EEC, MD 21.3.1973, Regulation 2004/1935/EEC and EU Regulation
- 10/2011 and subsequent updates).

Grösse S	HANN350s	Karton á 1000 (10X100)	VE 1x 100	VE= 11.95	Karton = 119.50
Grösse M	HANN350m	Karton á 1000 (10X100)	VE 1x 100	VE= 11.95	Karton = 119.50
Grösse L	HANN350L	Karton á 1000 (10X100)	VE 1x 100	VE= 11.95	Karton = 119.50

Thermoplastic elastomer gloves

(TPE) for medical use Thickness 0.9 mm Length 26 cm

- Powder-free disposable glove, can be worn on both sides.
- Good resistance compared to conventional PE gloves, also thanks to the higher thickness. PPE risk cat. 3 also
- suitable for protection against chemicals and micro-organisms (EU Regulation 2016/425).

-- EN ISO 374-1:2016 / TYPE C: certified with a chemical.
-- EN ISO 374-5:2016 / VIRUS: for protection against bacteria, fungi and VIRUS.

- FOOD CONTACT MATERIAL Suitable for contact with all types of food (according to Directive 2002/72/EEC, MD 21.3.1973, Regulation 2004/1935/EEC and EU Regulation 10/2011 and subsequent updates).
- Hammered surface for more grip and sensitivity.
- Quick to put on. Can also be used as an overglove.
- MEDICAL and dental examination and surgical
- gloves (AQL 1.5) for temporary use (according to
- Directive 93/42/EEC and subsequent Legislative Decree 37/2010 transposing Directive 2007/47/EEC, standards EN 455 1, 2, 3 and 4).

Grösse S	HANT25S	Karton á 2000 (10X200)	VE 1x 200	VE= 5,65	Karton = 56.50
Grösse M	HANT25M	Karton á 2000 (10X200)	VE 1x 200	VE= 5,65	Karton = 56.50
Grösse L	HANT25L	Karton á 2000 (10X200)	VE 1x 200	VE= 5,65	Karton = 56.50
Grösse XL	HANT25XL	Karton á 2000 (10X200)	VE 1x 200	VE= 5,65	Karton = 56.50

Haslab- Short timer, electronic

Haslab- Short timer, electronic
In the laboratory, a timer is particularly important when time sequences have to be adhered to. A loud sequence signal with integrated visual control lamp and 2 adjustable times make the right device for your laboratory. Electronic multifunctional clock, timer and stopwatch in one!
Haslab Timer / Stopwatch

- 2 zones
- Volume: Off / Loud / Very loud
- LED light: Green when time is up / Red when time is up
- After the time has elapsed, the clock displays the
- elapsed time Memory function per zone
- With magnetic holder / stand / hanging strap

Item no.	Pcs. CHF
HAS0010	13.50

Weighing dishes, PS

- Haslab weighing boats are flexible and have a smooth surface for accurate pouring with minimal sample loss.
- All Haslab weighing boats are antistatic and facilitate the weighing of the statically loaded sample.
- Suitable for use with food.
  They have rounded corners to facilitate decanting.
- Biologically inert and resistant to dilute weak acids, aqueous solutions, alcohols and bases.
- These boats are temperature resistant between 10° C and 70°C. Haslab weighing boats are flat and
- have a wide, flat bottom to prevent tipping. Weighing boats with spouts have an innovative,
- unique design for easy pouring without bending the bowl.

Item no.	Shape	Colour	Size in mm	PU	PU CHF
ABDP70501	Standard	Blue	46x 46x 8	250	25.35
ABDP70502	Medium	Blue	85x 85x 24	250	43.15
ABDP70505	Large	Blue	140x 140x 22	250	74.30
ABDP70503	Standard	White	43x 58x 13	250	41.70
ABDP70504	Medium	White	83x 132x 26	250	77.55
ABDP70506	Large	White	108x 183x 26	250	135.50

Aluminium test trays

Aluminium sample trays 250 pieces for moisture analyzer.

Item no.	Diameter	PU	PU CHF
307140001	100mm	250	186.00

Moisture analyzer

Fast and efficient, the PMB moisture analyzer from AE Adam Equipment is an alternative to the time-consuming oven test.

The PMB moisture analyzer from Adam not only speeds up the drying process, but also minimises the possibility of a sample burning and producing false results. The PMB moisture analyzer simultaneously weighs and heats the sample, reducing test time and providing greater measurement accuracy.

Features and Benefits Hardware

- Scratch-resistant aluminium housing protects the
- internal components
- Pan lifter for easy insertion and removal of
- of the samples
- USB host for saving data to a memory stick included
- Temperature range from 50°C to 160°C, in 1° steps
- Colour-highlighted keys allow quick operation
- RS-232 interface included to allow connection to
- computers and printers
- USB interface included for faster data exchange
- Seven preset drying modes allow quick routine tests for multiple products (programme memory)ites Automatic test start when lid is closed, adjustable
- Fast, easy configuration via keyboard
- Display with capacity indication

Software

- Three settings for heating: fast, in temperature steps, and with fixed temperature
- Audible alarm warns of overload
- Calibration of temperature and weight
- Zero tracking means the display always goes back to zero

Model	PMB 53	PMB 163	PMB 202
Capacity	50g	160g	200g
Readability	0.001g / 0.01%	0.001g / 0.01%	0.001g / 0.05%
Size weighing plate	100mm	100mm	100mm
Temperature range	Heating: 25 °C - 100 °C	Heating: 25 °C - 100 °C	Heating: 25 °C - 100 °C
Memory settings	Internal memory with space for up to 99 results and 49 programmable user settings Connection for external USB memory pen for saving results and settings	Internal memory with space for up to 99 results and 49 programmable user settings Connection for external USB memory pen for saving results and settings	Internal memory with space for up to 99 results and 49 programmable user settings Connection for external USB memory pen for saving results and settings
Overall dimensions	250x360x185mm (BxTxH)	250x360x185mm	250x360x185mm
CHF Preis	1314.00	1602.00	1194.00

Micro- Analytical and precision balances

Luna balances

With a wide range of capacities and readabilities, Luna Series precision balances can meet diverse weighing needs in a variety of laboratories. The Luna series offers improved performance for faster and more accurate measurements. The Luna series offers improved performance for faster and more accurate measurements. It combines durability and performance in a stylish design. A large LCD display shows measurement results with large white digits (24mm) on a black background. Luna is suitable for international use and offers useful multilingual text and display functions. RS-232 and USB connections allow quick connection to computers and printers to transfer results. The housing is made of easy-to-clean ABS plastic construction and the weighing plate is made of durable stainless steel (304). The Luna series has been specially designed for demanding laboratory tasks.

- Display: Bright backlit LCD, easy to read even in poor lighting conditions
- Level indicator and height-adjustable feet for
- levelling Large, easy-to-clean stainless steel
- weighing plate
- USB I/0 and RS-232 interfaces for fast data
- exchange with computers and printers
- Multilingual display
- GLP-compliant logging
- Automatic switch-off saves energy
- Colour-highlighted buttons allow quick
- work Integrated security slot for lock and
- cable (Kensington type, opt.)
- Sealed keyboard protects against dirt and
- accidental splashes
- Hold function allows the displayed value to
- be frozen Piece counting with preset
- sample sizes
- Selectable digital filters provide stable
- results with moving objects
- AC adapter included

Micro & Analytical Balances

Model	Capacity	Readability	Repeatability	Linearity (+/-)	Weighing plate	Pcs. CHF
SAB 125i	62g / 120g	0.01mg/ 0.1mg	0.02mg/ 0.1mg	0.1mg / 0.2mg	80mm ø	2796.00
SAB 225i	82g / 220g	0.01mg/ 0.1mg	0.02mg/ 0.1mg	0.1mg / 0.2mg	80mm ø	3192.00
LAB 84e	80g	0.0001g	0.0002g	0.0003g	90mm ø	1140.00
LAB 124e	120g	0.0001g	0.0002g	0.0003g	90mm ø	1200.00
LAB 214e	210g	0.0001g	0.0002g	0.0003g	90mm ø	1296.00
LAB 254e	250g	0.0001g	0.0002g	0.0003g	90mm ø	1416.00
LAB 84i	80g	0.0001g	0.0002g	0.0003g	90mm ø	1320.00
LAB 124i	120g	0.0001g	0.0002g	0.0003g	90mm ø	1380.00
LAB 214i	210g	0.0001g	0.0002g	0.0003g	90mm ø	1483.20
LAB 254i	250g	0.0001g	0.0002g	0.0003g	90mm ø	1606.80

e = external calibration / i = internal calibration

Precision balances

Model	Capacity	Readability	Repeatability	Linearity (+/-)	Weighing plate	Pcs. CHF
LPB 223i	220g	0.001g	0.002g	0.003g	120mm ø	864.00
LPB 423i	420g	0.001g	0.002g	0.003g	120mm ø	924.00
LPB 623i	620g	0.001g	0.002g	0.003g	120mm ø	1116.00
LPB 823i	820g	0.001g	0.002g	0.003g	120mm ø	1236.00
LTB 2602i	2600g	0.01g	0.02g	0.003g	185x185mm	864.00
LTB 3602i	3600g	0.01g	0.02g	0.003g	185x185mm	924.00
LTB 4602i	4600g	0.01g	0.02g	0.003g	185x185mm	984.00
LTB 6002i	6000g	0.01g	0.02g	0.003g	185x185mm	1176.00

Core™ precision scales

Incredibly robust, unbeatable value for money

Benefits

- Bright backlit LCD, easy to read even in poor lighting conditions Stackable, can therefore be stored in a space-saving way
- Dual tare buttons for left- and right-handed operation
- Large, easy-to-clean stainless steel weighing plate Three-point ShockProtect® protects against damage to the weighing the weighing mechanism even in the event of heavy overloading Removable draft shield (only models with 120mm weighing plate) Automatic switch-off saves energy
- Zero tracking means that the display always always returns to zero
- Programmable display illumination with "always on", "always off", and "only when weighing" as options Colour-highlighted keys allow quick operation Integrated security slot for lock and cable (Kensington type, opt.)
- Robust construction, also suitable for industrial applications
- Hook for underfloor weighing included Mains operation (adapter included) and battery operation (not included) Acoustic alarm warns of overload

Model	Capacity	Readability	Size weighing plate	Pcs. CHF
CQT 202	200g	0,01g	120mm ø	246.00
CQT 251	250g	0,1g	120mm ø	141.60
CQT 601	600g	0,1g	120mm ø	174.00
CQT 1501	1500g	0,1g	120mm ø	222.00
CQT 2601	2600g	0,1g	145mm ø	246.00
CQT 2000	2000g	1g	145mm ø	141.60
CQT 5000	5000g	1g	145mm ø	166.80

Thermo- Mixer

Thermo- Mixer
The Thermo Mix series provides precise and efficient shaking and mixing as well as excellent temperature accuracy. The Thermo Mixer offers a wide range of applications such as gene synthesis, gene purification, gene denaturation, protein denaturation,
enzymatic reaction bacterial growth and many more.

Item number	E11340	E-11341	E11342
Voltage	240 - 220 V	240 - 220 V	240 - 220 V
Functions	Heating, cooling & mixing	Heating & Cooling	Heating & Mixing
block material	Aluminium	Aluminium	Aluminium
Temperature range heating	Heating: 25°C - 100°C	Heating: 25°C - 100°C	Heating: 25°C - 100°C
Temperature range cooling	Min. 15°C (25°C below room temperature)	Min. 15°C (25°C below room temperature)	x
Temperatur e accuracy	±0.5°C	±0.5°C	±0.5°C
heating rate	5.5°C/min	5.5°C/min	5.5°C/min
Maximale Abkühlgesch win-digkeit	°5.5C/min (°100C °25-C) °0.5C/min (unter °25C)	2.5°C/Min (100° C-25°C) 0.5°C/ min (unter 25°C)	x
Mixing frequency	200-1500 rpm	x	200-1500 rpm
Mixing diameter	3 mm	x	3 mm
Programm	6	9	6
Protection	150°C	150°C	150°C
Dimensions (WXTXH)	200x235x120mm	200x235x120mm	200x235x120mm
Weight	7.3 kg	7.3 kg	7.3 kg
Price in CHF	2´430.00 inkl. 1 Block	1´485.40 inkl. 1 Block	1´485.40 inkl. 1 Block
Change blocks / Miscellaneous CHF	189.10	189.10	189.10

iRupt Jr.

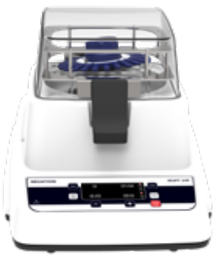
There is no shortage of homogenisers that promise exceptional performance, but few actually deliver on that promise.
The iRupt Jr. was designed from the ground up with high-quality raw materials and a user-focused design process. The result is a device that combines portability with effortless performance and is the ideal homogeniser for extracting samples such as bacterial/yeast cells, plant tissue, animal tissue and more. The device also undergoes rigorous quality control checks to ensure that no aspect of the device is less than perfect. iRupt Jr. is also equipped with an exceptional motor that promises years of durability and uncompromising performance.

Specifications / Item no.	iRupt Jr.
Capacity	3 X 2 ml
Speed range	2800 to 4000 rpm
Operating time	3 seconds to 180 seconds
Pulse mode On/Off timer	3 seconds to 99 seconds
Operating conditions	4 °C - 45 °C
Weight	2,8 kg
Dimensions (W x D x H)	235 x 158 x 140 mm
CHF Price	750.00

iRupt 24P

Ideal homogeniser for the extraction of samples such as bacterial/yeast cells, plant/animal tissues, etc. for molecular analysis Designed for low heat generation and convenient handling with a powerful brushless DC motor. Up to 99 programmable memory settings available, Variable cyclic intervals for effective homogenisation, Integrated lid lock for user safety, prevents lid from opening during operation Compatible with various tube sizes and convenient lifting device for cleaning and disinfection. Clear user interface with large digital display.

Specifications / Item no.	iRupt 24P
Stirring speed range	0.80 m/s - 7.50 m/s (in steps of 0.05 m/s) 490 rpm -
Operating time	4550 rpm (in steps of 30 rpm) 1 second to 90 seconds (in -1second increments)
Break time	10 seconds to 600 seconds (in -1second increments)
Programmable (storable)	99 stored programmes
Number of cycles	10
Number of samples (capacity)	1 - 24 Proben (24 x 2 und 12 x 7 ml)
Weight	32.5 Kg
Dimensions (L X W X H)	350 X 490 X 315 mm
CHF Price incl. 1 rotor	3900.00



Accessories for iRupt 24P & iRupt Jr.

Item no.	Details	PU	PU CHF
CH-01AT1	Rotor holder and lid for 24 X 2/1.5 ml	Any rotor is supplied together with iRupt 24P. (Please order other separately)	400.00
CH-01AT2	Rotor holder and lid for 12 X 5 ml	1	400.00
CH-01A01	2 ml tube Neuation (non-sterile)	1000	300.00
CH-01A02	0.6 - 0.4 mm diameter glass beads	200 Gr/m2	60.00
CH-01A03	1.2 - 0.8 mm diameter glass beads	200 Gr/m2	60.00
CH-01A04	3.0 - 2.5 mm diameter glass beads	200 Gr/m2	60.00
CH-01A05	1.2 - 1.0 mm diameter zirconium (%94) beads	200 Gr/m2	350.00
CH-01A06	1.7 - 1.4 mm diameter zirconium (%94) beads	200 Gr/m2	350.00
CH-01A10	3.3 - 2.6 mm diameter zirconium (%94) beads	200 Gr/m2	350.00
CH-01A11	Stainless steel beads with 2 mm diameter	200 Gr/m2	200.00
CH-01A12	3 mm diameter stainless steel beads	200 Gr/m2	200.00

i Shak 3D - 5

3 D Mixer
iShak 3D-5 NXT, our digital 3D shaker is equipped with a maintenance-free, brushless DC motor that provides exceptional performance and complements the unit's high load capacity, resulting in thorough solution mixing even under heavy loads.

Specifications / Item no.	iShak 3D5- NXT
Weight capacity	5 kg
Variable speed	10-120 RPM
Type of movement	Tumbling
Wobble angle	7°
Timer range	1-999 min. & infinite mode
Operating mode	Timed & continuous operation
Pulse mode	Yes (run-pause-run mode)
Plate size	350 mm x 350 mm
Power consumption	24W
Essays	Rubber mat with spikes (supplied) Adhesive pad mat (optional) CHF 19.00 (Art. No. SG03-M3-2)
CHF Price:	560.00
M3-3 Double deck attachment CHF	175.00

i Stir HP 5/10/15

Multi-Station Heating Magnetic Stirrers
Our HP 5M, 10M & 15M range of multi station heated magnetic stirrers are built to perform as promised. Our in-house R&D specialists who do everything from design to extensive performance testing to make your job easier. Both the unit's software and hardware are designed to optimise your time and effort by delivering exceptional performance and timely safety to make your job easier. The exceptional heating power efficiency & programmable pulse mode of our multi-station heating magnetic stirrers offers distinct advantages for a wonderful user experience.

Specifications	Specifications / Art. No. iStir HP 5M	Specifications / Art. No. iStir HP 10M	Specifications / Art. No. iStir HP 15M
Motor-Typ	BLDC	BLDC	BLDC
Number of stirring position	5	10	15
Stirring quantity Max	400 ml per position	400 ml per position	400 ml per position
Variable speed	300-1500 RPM in it increments of 10 RPM	300-1500 RPM in it increments of 10 RPM	300-1500 RPM in it increments of 10 RPM
Temperature range	Ambient temperature up to 120°C	Ambient temperature up to 120°C	Ambient temperature up to 120°C
Operating time	1-999 Min. & Endless	1-999 Min. & Endless	1-999 Min. & Endless
Impuls-Mod	Pulse mode -time adjustable from 30 to 99 sec.	Pulse mode -time adjustable from 30 to 99 sec.	Pulse mode -time adjustable from 30 to 99 sec.
Plate material	Stainless steel plate with silicone foil	Stainless steel plate with silicone foil	Stainless steel plate with silicone foil
Plate dimensions	456 x 118 mm	460 x 178 mm	460 x 264 mm
Weight	3 kg	5 kg	7 kg
Protection class	IP 42	IP 42	IP 42
CHF Price	795.00	1120.00	1350.00

iStir HP 320

Heating magnetic stirrer 10 litres
Having spent a great deal of time in the development phase as it was extensively tested before being made available for purchase, the iStir HP 320 is ready to deliver efficient performance and extremely user-friendly operation. With class-leading features designed to meet demanding laboratory applications, the iStir HP320 is the answer to all your hot plate stirrer needs with a capacity of up to 10 litres.

Specifications / Item no.	iStir HP 320
Capacity	10 Liter
Plate material*	Ceramic coated stainless steel
Hot plate temperature	Ambient conditions up to 320 °C
Variable speed	20-2200 RPM in steps of 10 RPM
Operating time	1-999 min. & infinite
Dimensions of the plate (mm)	140 mm
Weight of the unit	2.2 kg
Dimensions (mm)	156 x 248 x 104
Protection class	IP 21
CHF Price	345.00 incl. PT1000 probe and stand + magnetic stir bar

Accessories for iStir Hp 320

Detail	Item no.	CHF Price
Carrier plate Quarter carrier plate	HS-20QP	80.00
4 X 20 ML Quarter Block	HS-20Q20	64.00
4 X 30 ML Quarter Block	HS-20Q30	64.00
7 X 16 ML Quarter Block	HS-20Q16	68.00
10 X 8 ML Quarter Block	HS-20Q08	70.00
12 X 4 ML Quarter Block	HS-20Q04	76.00
Reaction block with round base for 50 ML	HS-20RB50	100.00
Reaction block with round base for 100 ML	HS-20RB100	100.00
Reaction block with round base for 250 ML	HS-20RB250	100.00
Reaction block with round bottom for 500 ML	HS-20RB500	100.00

i stir HP 550

Heating magnetic stirrer 20 litres
If you work in a lab where a lot depends on your results, you simply can't afford a stirrer that doesn't produce a smooth stirring motion. Sometimes inferior equipment can trigger irregular stirring motions that lead to erroneous readings and ruin your hard work. What you need is quality that is so impeccable and that you can rely on the movements to be smooth and precise. With Neuation's iStir HP550 Prime, you get smooth agitation, ideal for creating homogeneous mixes or speeding up reactions. Its impressive speed range of 200 to 2200 RPM can handle different viscosities with precision and perfection.

Specifications / Item no.	iStir HP 550 Prime
Stirring quantity Max.	20 Liter
Plate material	Nano Crystal Full Ceramic Plate / white
Variable speed	200 - 2200 RPM
Heat Temperature range	Ambient conditions up to 550 °C
Temperature accuracy	±1°C
Operating time	1-999 min. & infinite
Digital display	Displays speed/time and actual/set temperature
Safe temperature circuit	Yes
Plate dimensions	180 x 180 mm
Weight	4,9 kg
Dimensions (W x D x H)	330 x 225 x 113 mm
Stirring rod length	25 mm (included)
Protection class	IP 21
CHF Price	645.00

iSwix VT

Vortex mixer
IT DOESN'T GET ANY BETTER THAN THIS
Vortex mixers play a crucial role in any lab, hence the need for reliable performance and durability. But most mixers have problems with poor performance due to insufficient speed or unstable running due to the use of inferior components and raw materials. After years of research and development, Neuation's iSwix VT vortex mixer is the best performing vortexer due to its premium internal components such as the durable and maintenance-free BLDC motor. With class-leading features such as built-in counterbalance and 3-way switch, the unit makes your job even easier.

Specifications / Item no.	iSwix VT
Maximum speed	4200 RPM
Orbital diameter	4 mm
Motor-Typ	Brushless DC
Digital display	Yes
Dimensions (W X D X H)	205 x 136 x 138,5 mm
Speed setting	300-4200 RPM
Timer setting	0-999minutes (min/sec display)
Pulse mode	Yes, programmable pulse
Maximum load capacity	500 Gramm
Weight	2,8 kg
Attachments (included)	Tube attachment Round disc attachment
CHF Price	245.00

Accessory attachment for iSwix TV

Detail	Item no.	Pcs. CHF
1x microtitter plate	VM-A3	36.00
1x bottle max 250 ml	VM-A4	36.00
Micro centrifuge tubes 24pcs.	M-A2	36.00

iSwix MV

Multi-Tube Vortex Mixer / Multi-Tube Vortexer
Here at neuation, our product development process is based on understanding user requirements, understanding their applications and listening to customer feedback. This allows us to design and develop a product that delivers the performance and reliability expected by our customers. The Multi Tubes Vortexer is a prime example of how to mix many tubes simultaneously, saving valuable time. With a powerful and low-maintenance brushless DC motor, our iSwix MV mixers provide exceptional mixing and high sample output without the need for ongoing maintenance.

Specifications / Item no.	iSwix MV
Digital display	Ja
Variable speed	300-2500 RPM
Motor type	BLDC
Runtime	1-999 min. & infinite
Movement type	Clockwise (CW) and counterclockwise (CCW) movement
Pulse mode	Programmable pulses with choice of variable time between 30-99 seconds
Weight	18 kg
Power consumption	75 W
Protection class	IP 21
CHF Price	1360.00

Attachments iSwix MV

Detail	Item no.	Pcs. CHF
7 ml tubes to hold 60 tubes	VM-M3	84.00
15 ml tubes to hold 45 tubes	VM-M2	80.00
50 ml tubes to hold 18 tubes	VM-M1	80.00
250 ml flask for 6 flasks	VM-M4	88.00
2/1.5 ml tubes for 72 tubes	VM-M5	84.00
50 ml tubes for 7 tubes- Flat storage	VM-M6	80.00

iShak BL Uno VT

Microplate mixer
iShak BL Uno VT is another such device, designed to offer high performance and exceptional ease of use in a compact unit. The iShak BL Uno VT's powerful brushless DC motor and variable parameter settings make it an amazingly versatile device that meets all requirements. incl. USB connection

Specifications / Item no.	i Shak BL Uno VT
Speed	300 bis 1800 RPM
Diameter	2 mm
Motor type	BLDC
Time Function	1 bis 180 Min.
Digital Display	Yes
Pulse function	No
Built-in counterweight	Yes
Dimension (W x D x H)	127 x 86 x 85 mm
Accessories (incl. in delivery)	Replacement clamps for different microtitre plates, attachment for 20x reaction vessels 1.5ml/2.0ml
Preis CHF	290.00

iShak Quattro NXT-Digital

4 microplate shaker guided by perfection. The insights of our R&D department are incorporated into our design and development decisions, which come from researching customer feedback and their requirements. Equipped with a powerful and maintenance-free brushless DC motor, the iShak TS4 NXT operates efficiently under heavy loads for thorough mixing. The ability to vary the parameter settings makes the unit suitable for a wide range of applications.

Specifications / Item no.	iShak Quattro
Motor type	BLDC
Type of movement	Orbital
Orbital diameter	3mm
Plate capacity	4 Platte
Speed setting	200 to 1200 rpm at every 10RPM
Timer setting	1 to 99 h 59 min and infinite
Pulse mode	Yes (clockwise and anticlockwise)
Display	LED
CHF Price	595.00

iShak TS4 NXT

Microtitre plate mixer 4er heated with incubation hood.
The motor is the most important component of the unit, greatly affects the reliability and performance of the unit. Using inferior motors will result in improper mixing of the solution as it will not be able to perform as required. If you want to do something right, why not do it right from the start? At Neuation, we follow this principle to ensure that every step of our product development process is guided by the goal of perfectionism. Insights from our R&D department inform our design and development decisions, which come from researching customer feedback and their requirements. Equipped with a powerful and maintenance-free brushless DC motor, the iShak TS4 NXT works efficiently under heavy load for thorough mixing. The ability to vary the parameter settings makes the unit suitable for a wide range of applications.

Specification / Item no.	iShak TS4 NXT
Motor type	BLDC
Type of movement	Orbital
Orbital diameter	3mm
Plate capacity	4 Plates
Speed setting	200 to 1200 rpm at every 10RPM
Timer setting	1 to 99 h 59 min and infinite
Temperature range	Ambient conditions 3+ to 70°C
Temperature stability	±0.5°C
Temperature accuracy	±0.5°C
Pulse mode	Yes (clockwise and anticlockwise)
Display	LED
Dimensions (W X D X H) mm	267x 361x 155
Accessories O-ring	TS-02OR (rubber band for 4 microtitre plates)
CHF Price	995.00

iShak PS 10/20

Platform shakers, laboratory shakers
When you buy platform shakers, you are ideally looking for a combination of performance, durability and ease of use to facilitate your work in the lab. Based on customer research and expectations, Neuation's R&D department has developed the iShak PS10/20, which offers the best performance with unmatched user-friendliness for added convenience. With a powerful brushless DC motor and premium components, the iShak PS 10/20 is designed for exceptional performance. Leading features such as the loop function, user-programmable interface, etc. provide much-needed user-friendliness and unprecedented convenience when using the machine.

Specification / Item no.	iShak PS 10/20			
Shaking movement	Linear	Orbital	Linear	Orbital
Swing diameter	10mm	10mm	20mm	20mm
Maximum load weight	7.5kg	7.5kg	7.5kg	7.5kg
Speed	50 to 500 RPM	50 to 500 RPM	50 to 300 RPM	50 to 300 RPM
Motor type	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Time setting range	Up to 99:59 hours	Up to 99:59 hours	Up to 99:59 hours	Up to 99:59 hours
Platform size	330x330 mm	330x330 mm	330x330 mm	330x330 mm
Programming function	6 programmes, each programme with 9 sub-programmes	6 programmes, each programme with 9 sub-programmes	6 programmes, each programme with 9 sub-programmes	6 programmes, each programme with 9 sub-programmes
Programme loop	Yes	Yes	Yes	Yes
Equipment dimensions	408 x 350 x 99 mm	408 x 350 x 99 mm	408 x 350 x 99 mm	408 x 350 x 99 mm
CHF Price	1120.00 (with indication of circulation and shaking)	1120.00 (with indication of circulation and shaking)	1120.00 (with indication of circulation and shaking)	1120.00 (with indication of circulation and shaking)

Accessories for iShak PS 10/20

Detail	Item no.	Pcs. CHF
Universal attachment with adjustable bars	SH-01UA01	180.00
Plate with non-slip mat	SH-01 DA01	110.00
Funnel attachment	SH01 - FA 01	184.00
Base plate for plastic clamp	SH-01PPC	114.00
Various plastic clamps are available	Stk.	19.00
Base plate for stainless steel clamps < 250 ml	SH-01SSP250-	98.00
Base plate for stainless steel clamps > 500 ml	SH-01SSP500-	98.00
Various metal clamps are available	Stk.	27.00

iShak US15

Platform shaker, laboratory shaker
After extensive research into customer feedback and requirements, Neuation's R&D department has developed the iShak US15, which has the best performance with unsurpassed ease of use for greater convenience. With a powerful DC brushless motor and premium components, the iShak US15 is renowned for exceptional performance. Leading features such as the loop function, user programmable cut point, etc. provide much needed ease of use and unprecedented comfort when using the machine.

Specifications / Item no.	iShak US15
Shaking movement	Orbital oder Linear
Orbital / Linear - Diameter	60 ,50 ,40 ,30 und 70 mm
Maximum permissible weight	15 kg
Speed	50 to 300 rpm
Motor type	Brushless DC motor
Time setting range	Up to 99 hours and 59 minutes
Platform size	745 x 490 mm
Programmable function	6 programmes, each programme with 9 sub-programmes
Programme loop	Yes
Dimensions (W x D x H)	825 x 625 x 165 mm
CHF Price	iShak US15/with indication of circulation and shaking / 2950.00

Accessories for iShake US15

Detail	Item no.	Pcs. CHF
Universal plate with adjustable rods	SH-02UA15	490.00
Base plate with 24 plastic clips	SH-02PPC	190.00
Base plate for stainless steel clamps < 250 ml	SH02-SSP-250	295.00
Base plate for stainless steel clamps > 500 ml	SH02-SSP-500	295.00

iStir Uno iStir Quattro

Magnetic stirrers come in all shapes and sizes, but ultimately performance and durability are most important to users. Therefore, most manufacturers of magnetic stirrers promise high performance, durability and practical features. However, users soon find that such devices are made from inferior components and materials due to cost, leading to major problems. With Neuation's extensive experience in developing high-quality laboratory equipment, you will benefit from a device that is designed to meet your stirring requirements. With a dedicated R&D department dedicated to understanding user experience and feedback, we have developed iStir Uno/ Quattro for reliable performance and for years of durability. With its motorless design, the unit offers exceptional performance without the hassle of maintenance. The stainless steel finish of the unit also provides excellent corrosion resistance. Time setting and CC/CCW movement save you effort and time for increased productivity.

Specifications / Item no.	iStir Uno
Setting the speed	15 to 1500 RPM (every 50 RPM)
Display	Digital display
Max. Capacity	800 ml
Recommended stirring rod length	25 mm
Pulse function	Ja
Timer	1 to 99 minutes & infinite mode

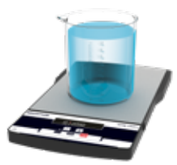
Memory for last run	Yes
Dimensions (W X D X H)	156 x 110 x 13,2 mm
Protection class	IP 65
CHF Price	230.00

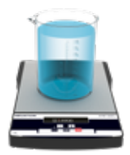
Specifications / Item no.	iStir Quattro
Speed setting	15 to 1200 RPM (every 50 RPM)
Digital display	Yes
Load capacity	4 x 400 ml
Recommended stirring rod length	25 mm
Pulse function	Ja
Timer	1 to 99 min. and continuous
Memory for last run	Yes
Dimensions (W X D X H)	457 x 126 x 13,4 mm
Protection class	IP 65
CHF Price	480.00

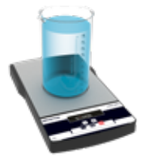
iStir Uno+

Meet iStir Uno+, a best-in-class motorised magnetic stirrer that promises exceptional performance and unmatched durability. The entire production cycle of the unit, including design, manufacturing and quality control, is extremely rigorous to ensure that the end user is satisfied with the product. As a result, the unit is equipped with numerous features that make the user's job easier by requiring less effort and time.

Specifications / Item no.	iStir Uno+
Max. Power	10 litres
Motor type	BLDC
Variable speed	200-2200 RPM (alle 100 RPM)
Operating time	1-999 min. & infinite mode
Recommended stirring rod length	35 mm
Display	Digital - displays the speed in real time
Pulse mode	Yes
Memory for last run	Yes
Dimensions (W X D X H)	335 x 200 x 29
Standard accessories	1 high-strength stirring rod
Protection class	IP 44 (splash-proof)
CHF Price	530.00







iStir MS10a

The iStir MS10a magnetic stirrer that has high performance without compromising flexibility or durability. With its stainless steel surface, the unit is corrosion resistant. Its durable DC motor runs at top speed without requiring much maintenance. The one-button operation makes the machine extremely user-friendly. The same motor is capable of stirring large quantities of solutions at once, resulting in higher productivity and less time and effort.

Specifications / Item no.	iStir MS10a
Capacity	10 litres
Variable speed	400 - 2200 RPM
Motor type	DC
Plate dimensions	107 x 123 mm
Dimensions (WxDxH)	248 x 155 x 78 mm
Protection class	IP 42
CHF Price	195.00

iStir 50L / iStir 200L

High capacity magnetic stirrer. Expect nothing but the best from neuation with products. The 50L & 200L magnetic stirrers are equipped with the best features that deliver exceptional stirring performance even with heavy loads of 50L or 200L solutions. And with a choice of acceleration modes, whatever your requirements, the unit has the capacity to meet them. The soft-ware is designed to be at your convenience and ease of use. Features such as the Power Mode, which automatically starts the unit when the power is restored after a power failure and completes the programme.

Specifications / Item no.	iStir 50L
Motor type	DC-Motor
Max. Power	50 Liter
Variable speed	100 - 1000 RPM
Operating time	1-59:99 min. & infinite
Start-up speed	The user can select different acceleration rates (A1-A9, where A9 is the fastest and A1 is the slowest rate)
Pulse mode	Yes. Alternating clockwise and counterclockwise movement with 3 seconds stop for better and more thorough mixing.
Digital display	Yes
Accuracy	+/- 10 RPM
Plate dimensions (SS)	184 x 184 mm
Max. Length of the stirring rods	80 mm diameter
Protection class	IP 21
Frame size (with adjustable height)	394 x 392 x 101 mm
CHF Price	1160.00

Specifications / Item no.	iStir 200L
Motor type	DC - Motor
Max. Power	200 Liter
Variable speed	100 - 600 RPM
Operating time	99:59-1 Min. & unendlich
Start-up speed	The user can select different acceleration rates (A1-A9, where A9 is the fastest and A1 is the slowest rate)
Pulse mode	Yes. Alternating clockwise and counterclockwise movement with 3 seconds stop for better and more thorough mixing.
Digital display	Yes
Accuracy	+/- 10 RPM
Plate dimensions (SS)	250 x 250 mm
Max. Length of the stirring rods	100 mm
Protection class	IP 21
Frame size (with adjustable height)	505 x 500 x 105 mm
CHF Preis	1420.00

iTherm CH25

Cooling incubator
Neuation's iTherm CH25 gives you a constant and reliable temperature with a wide range of temperature control from -15°C below room temperature to +60°C. It has an internal power connection for a small shaker or mixer and can accommodate various volumes up to 2 litres. This incubator is designed to provide high quality results with the highest precision.

Specifications / Item no.	iTherm CH25
Temperature range	Ambient temperature -15°C to 60°C
Temperature accuracy	0,5°C (bei 37°C)
Temperature uniformity	+/- 1.5°C (at 37°C)
Temperature steps	+/- 1°C
Capacity	20L
Outer dimension	410 x 340 x 480 mm
Inner dimensions	260 x 235 x 325 mm
CHF Price	945.00

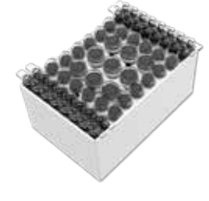
iTherm D150-1

Block thermostat 1 place
There are many problems when using a digital thermal bath. From uneven heating to fine tuning to fine tune the unit to your requirements. Low temperature range, corrosive surface and uneven heating are some of the most common problems that users face, causing them problems rather than making the whole process easier. Through intensive research and development with customer expectations in mind, we at Neuation have developed the iTherm D150-1, which offers exceptional performance with a maintenance-free long life. Designed to give the user a superior experience, the unit provides even heating of the blocks to ensure reliable performance. It also offers numerous user-friendly features such as variable parameter setting, automatic temperature shut-off, etc., that facilitate the technician's work in the lab without much time and effort.

Specifications / Item no.	iTherm D1-150
Temperature range	Ambient 5°C+ to 120°C
Temperature uniformity	± 0.5°C
Temperature stability	± 0.5°C
Material of the mounting block	Aluminium
Number of blocks	1
Display	Digital
Timer	19hrs 59 mins & Infinity
Dimension mm	190x87x82
Protection class	IP 21
Power consumption	85W
CHF Price	395.00

iTherm D150-4

Block thermostat 4 place
Backed by intensive research and development of customer expectations, we at Neuation have developed the iTherm D150-4, which combines exceptional performance with a maintenance-free long life. The unit has been designed to provide an excellent user experience. The unit offers even heating of the blocks and reliable performance. It also offers numerous user-friendly features such as variable param-eter setting, automatic temperature shut-off, etc. and simplifies the technician's work in the laboratory without investing a lot of time and effort.



Specifications / Item no.	iTherm D 150-4
Temperature range	Ambient 5°C+ to 120°C
Temperature uniformity	± 0.4°C
Temperature stability	± 0.5°C
Max. Heating rate	3.3°C/min
Material of the mounting block	Aluminium
Number of blocks	4
Display	Digital
Programmable	Ja
Timer	1 min 99-hr 59 min & infinite
Dimension mm	393x270x153
Power consumption	400W
CHF Price	595.00

Optional accessories must be purchased separately for iTherm D150-1 & iTherm D150-4

Detail		CHF Price
DB-01B2 I DB-02B2 (for iTHerm D1-150)	Block for microtubes (28 x 2 /1.5 mL)	CHF 194.00
DB-01B1 I DB-02B1 (for iTHerm D1-150)	Hybrid block (9 x 2/1.5ml, 32 x 0.2 ml & 20 x 0.5 ml tubes)	CHF 249.00
DB-01B3 I DB-02B3 (for iTHerm D1-150)	12 tubes x 15 ml block	CHF 260.00
DB-01B4 I DB-02B4 (for iTHerm D1-150)	5 tubes x 50 ml block	CHF 250.00
DB-02BB Für iTHerm D1-150 & D4-150	Bead block	CHF 195.00
DB-02B Für iTHerm D1-150 & D4-150	Beads (1,5kg)	CHF 96.00
DB-02B5 Für iTHerm D1-150 & D4-150	2ml tubes (10x75mm) block (28x2ml)	CHF 260.00

iStir OH Jr.

Top head stirrer, stirrer
Stirrers are an important part of laboratory equipment, making the user's work much easier.
The result is the OH Jr. stirrer series, which combines a compact shape with exceptional performance for greater convenience. Various built-in safety features ensure that your safety is never compromised in any case.

Specifications / Item no.	iStir OH Jr.
Motor type	Brushless DC
Power	10 litres
Speed range	60 - 2200 RPM
Torque	10 Ncm
Viscosity	1000 mPas
Timer	1 min. to 99 hrs 59 min. & infinity mode
Protection class	IP 42
Dimensions (head)	80 x 42 x 166 mm
Weight	1,3 kg
CHF Price	790.00

Accessories included in the delivery

Stirring Tool Jr. 300mm OHS1-JX / Base Plate and Fixings (Supplied as shown)

iStir OH Prime

Top head stirrer, stirrer
The importance of overhead stirrers in laboratories cannot be underestimated. They play a crucial role in many research projects, and their stirring requirements are a high degree of flexibility and impeccable performance. But there are persistent problems with most existing stirrers when it comes to stirring solutions with high viscosity or high viscosity or high volume solutions, resulting in less satisfactory performance and constant regular maintenance. With an in-house R&D department that incorporates customer needs and user experience, Neuation has developed the Prime series of agitators that offer exceptional flexibility to meet all your agitation needs. With a compact shape and a powerful motor, these units are very impressive. Also count on the built-in overload, overcurrent and overtemperature safety features for performance that brings unmatched peace of mind.

Specifications	iStir OH 08 Prime	iStir OH 15 Prime	iStir OH 20 Prime	iStir OH 40 Prime
Motor type	Brushless DC	Brushless DC	Brushless DC	Brushless DC
Capacity (H2O)	10 Liter	20 Liter	25 Liter	40 Liter
Speed range	50 - 2000 RPM	50 - 1000 RPM	50 - 2000 RPM	50 - 1000 RPM
Torque	8 Ncm	15 Ncm	20 Ncm	40 Ncm
Viscosity	4000 mPas	8000 mPas	10000 mPas	30000 mPas
Timer	1 min. to 99 hrs. 59 min. & Endless	1 min. to 99 hrs. 59 min. & Endless	1 min. to 99 hrs. 59 min. & Endless	1 min. to 99 hrs. 59 min. & Endless
Direction of rotation	Reversible - CW/CCW	Reversible - CW/CCW	Reversible - CW/CCW	Reversible - CW/CCW
Protection class	IP 54	IP 54	IP 54	IP 54
Dimensions (head)	79 x 225 x 179 mm	79 x 225 x 179 mm	79 x 225 x 179 mm	79 x 225 x 179 mm
Weight	1,7 kg	1.7 kgs	1.7 kgs	1.7 kgs
CHF Price	495.00	495.00	525.00	525.00

iStir OH Elite+

Top-head stirrer, agitator
Agitators come in many shapes and sizes, but what ultimately matters is their performance and the features available to make your job easier. But, problems with highly viscous or large quantities of solutions plague most of these agitators, as these devices are unable to meet your stirring needs. This is where Neuation comes in. With an R&D department that is constantly researching customer needs and user experiences, they have been able to design and develop agitators that have enough power and features to meet even the most stringent agitation requirements. In addition, with built-in features such as overload, over-current and over-temperature fuses as well as pulse mode, iStir OH Elite+ guarantees exceptional performance and unsurpassed safety.

Specifications	iStir OH 50 Elite+	iStir OH 75 Elite+	iStir OH 100 Elite+
Motor type	Brushless DC	Brushless DC	Brushless DC
Capacity (H2O	50 Liter	75 Liter	100 Liter
Speed range	60 - 2000 RPM	60 - 2000 RPM	60 - 1300 RPM
Torque	50 Ncm	75 Ncm	100 Ncm
Viscosity	30000 mPas	50000 mPas	70000 mPas
Timer	1 min. to 99 hrs. 59 min. & Endless	1 min. to 99 hrs. 59 min. & Endless	1 min. to 99 hrs. 59 min. & Endless
Direction of rotation	Reversible - CW/CCW	Reversible - CW/CCW	Reversible - CW/CCW
Protection class	IP 42	IP 42	IP 42
Dimensions (head)		102x 249 x 242mm	102x 249 x 242mm
Weight	5,1 kg	5.1 kgs	5.1 kgs
CHF Price	742.00	762.00	782.00

Consumables Prime & Elite

Consumable Prime & Elite

Accessories	Description	Item no.	CHF PCS.
Plate stand		OHS1-PS	188.00
H-stand		OHS1-HS	320.00
Tripod Rod Holder (for OHS-1PS)		OHS1-PBH	36.00
Tripod Rod Holder (for OHS-1HS)		OHS1-HBH	95.00
Propeller blade 4s	550 (Blade 50x8)	OHS1-A01	70.00
Propeller blade 4s	550 (Blade 100x15)	OHS1-A02	75.00
Propeller blade 4s	800 (Blade 130x15)	OHS1-A03	95.00
Cross leaf 4s	550 (Blade 50x12)	OHS1-R01	70.00
Straight leaf high 2s	550 (Blade 35x12)	OHS1-R02	70.00
Straight leaf high 2s	550 (Blade 50x12)	OHS1-R03	75.00
Pivoting blade flat 2s	550 (Blade 60x15)	OHS1-R05	75.00
Collapsible sheet 2s	550 (Blade 80x10)	OHS1-R07	70.00
Square sheet high 2s	550 (Blade 38x38)	OHS1-T02	80.00
Square sheet high 2s	800 (Blade 70x70)	OHS1-T03	90.00
Anchor blade	550 (Blade 45x45)	OHS1-T05	80.00
Anchor blade	800 (Blade 90x80)	OHS1-T06	95.00
Paddle blade with holes	550 (Blade 70x70)	OHS1-T08	95.00
Paddle blade with holes	800 (Blade 70x70)	OHS1-T09	98.00
Paddle blade with cutout	550 (Blade 70x80)	OHS1-T10	95.00
Paddle blade with cutout	800 (Blade 70x80)	OHS1-T11	98.00

iRoll RnR 4

Roller mixer
iRoll RnR4 a reliable and durable unit, equipped with a powerful motor for maintenance-free longevity. The exceptional design of the iRoll RnR4 roller mixer takes into account the tight spaces most users face.

Specifications / Item no.	iRoll RnR 4
Power	9 x 7 ml tubes
Motor type	AC Synchron
Speed	30 RPM / Fix
Operating time	Continuous / infinite
Inclination angle	+/-30°
Speed accuracy	+/2- RPM
Noise level	Silent operation
Load capacity	1,5 kg
Roll size (mm)	300 (length) x 30 (roller diameter) mm
Protection class	IP 21
Dimensions (W X D X H)	475 x 210 x 80 mm
CHF Price	220.00

iRoll RnR 6

Roller mixer
iRoll RnR 6, a unit equipped with a reliable and durable motor that gives years of maintenance-free longevity. The exceptional design of the iRoll RnR 6 roller mixer takes into account the space constraints of most users. The iRoll RnR 6's exceptional design packs incredible performance into a compact package for a wonderful user experience.

Specifications / Item no.	iRoll RnR 6
Anzahl der Röhren	Bis zu 15 x 7 ml Blutgefäße
Drehzahlbereich	10 bis 80 RPM bei jeder 1 RPM
Motor-Typ	Bürstenloser DC-Motor
Bewegung	Schaukelnd & rollend
Timer-Bereich	1 bis 99 Minuten & unendlicher Modus
Betriebstyp	Kontinuierlicher & zeitgesteuerter Betrieb
Abnehmbare Walzen	Ja, werkzeuglose Demontage & Montage
Impuls-Modus	Ja (Lauf-Pause-Lauf-Modus)
Neigungswinkel	+/- 30°
Schutzklasse	IP 21
Tragfähigkeit	2 kg
Abmessungen (BxTxH)	505 x 293 x 90 mm
Leistungsaufnahme	6 W
CHF Preis	390.00

iRoll DR24

Disc rotator mixer , overhead mixer, overhead mixer
A digital disc rotator should ideally be powerful and durable to facilitate the user's work. However, the popular models on the market are designed to reduce manufacturing costs, resulting in the use of inferior materials and components, such as motors, leading to poor performance. Neuation's iRoll DR24 digital disc rotator is the result of extensive research and user experience that has produced a device that offers exceptional performance and durability. With its maintenance-free BLDC motor, the unit offers powerful performance without the hassle of maintenance. In addition, the convenience features such as pulse mode, user-programmable setting provide thorough mixing without much effort.

Specifications / Item no.	iRoll DR24
Capacity (supplied with one any disc plate)	12 tubes x 50 ml, 24 tubes x 15 ml, 44 tubes x 2/1.5 ml
Programmable mode	Yes. The user can set and save up to 9 custom programmes
Variable speed	10-80 RPM
Operating time	1-99 min. & infinite
Motor type	BLDC-Motor
Pulse mode	Yes. Alternating clockwise and counterclockwise movement with -2second stops for better and more thorough mixing.
Angle of the disc plate	Adjustable from 0 - 90°
Max. Load (capacity)	Up to 2 kg
Digital display	Yes
Dimensions	383 x 325 x 325
Protection class	IP 21
CHF Price	590.00

Accessories for DR24

Detail	Item no.	Pcs. CHF
50 ml disc plate with tube holder	DR-01D1	95.00
15 ml disc plate with tube holder	DR-01D2	95.00
2 ml disc plate with tube holder	DR-01D3	95.00

iRoll PR35

Drum-tube mixer, overhead stirrer, overhead mixer.
Digital plate rotators are an essential part of any laboratory set-up. The usability of these devices depends on their performance and reliability, which is unfortunately lacking in many commercially available plate rotators. Neuation has an in-house research and development department that listens closely to user feedback and customer requirements to design and develop equipment that meets user expectations. With high quality internal components such as a powerful, maintenance-free brushless DC motor and class-leading features such as power interval mode, user programming pulse mode, etc., the iRoll PR35 from NeuRollation has been designed with the user in mind. Neuation's iRoll PR35 offers exceptional performance and total reliability.

Specifications / Item no.	iRoll PR35
Capacity (supplied with one any attachment)	16 tubes x 50 ml, 35 tubes x 15 ml, 55 tubes x 2/1.5 ml
Programmable mode	Yes. The user can set and save up to 9 custom programmes
Variable speed	10-80 RPM
Operating time	1-99 min. & infinite
Motor type	BLDC-Motor
Pulse mode	Ja. Abwechselnd im und gegen den Uhrzeigersinn Bewegung mit 2 Sekunden-Stopps für besseres und gründlicheres Mischen.
Weight (capacity)	1,5 kg
Digital display	Yes
Dimensions (W x D x H)	540 x 274 x 186 mm
Protection class	IP 21
CHF Price	630.00

Accessories for PR 35

Detail	Item no.	CHF Price
50 ml plate attachment with clamps	PR-01P1	95.00
15 ml plate attachment with clamps	PR-01P2	130.00
2 ml plate attachment with clamps	PR-01P3	110.00

iFuge BL08VT

Small tabletop centrifuges 8 place. Speed and time adjustable
Your expectations of a centrifuge are limited to optimum performance and long life, but what if it could be even better? The iFuge BL08 VT from Neuation offers everything a user could wish for. From reliable, high-quality components to the intelligently designed housing and user-friendly controls, the iFuge BL08 VT has been designed to make your life in the lab easier. Adjustable speed and time.

Specifications / Item no.	iFuge BL08VT
Rotor capacity	Closed 8-place rotor for 2.0/1.5 ml
Maximum speed / RCF (g)	6000 / 2000 g
Display	Digital
Unbalance detection	Yes
Accuracy / Calibration	Adapts to changing load (self-calibration) and provides ± 25 RPM accuracy
Noise level	< 55 db
Variable speed	500 - 6000 RPM in steps of 100 RPM
Timer	1 to 25 min. & infinite
Electronic safety brake	Yes
Dimensions (WxDxH)	162 x 157 x 115 mm
Rotors and adapters	8 x 2.0/1.5 ml Closed rotor
Accessories (included in the standard package)	PCR strip rotor (2 x 8 x 0.2 ml) Reducing adapter for 0.5/0.2 ml microtubes
CHF Price	270.00

iFuge M08

Small tabletop centrifuges 8 place
With their extensive experience, the iFuge M08 was manufactured by Neuation. A unit that fits seamlessly into your daily work routine and delivers exceptional performance. Designed to offer optimum performance and years of durability, the design of the unit is specifically tailored to provide improved airflow to prevent temperature rise in the chamber. A Neuation patent in which the rotor can be changed in just 5 seconds through the magnetic lock underpins Neuation's experience.

Specifications / Item no.	iFuge M08
Rotor capacity	Closed 8-place rotor for 2.0/1.5 ml
Speed RPM Fix	6000
Speed RCF (g)	2000
Advantage	5 sec for rotor change / without tools
Electronic safety brake	Yes
Noise level	< 55 db
Dimensions (WxDxH) in mm	162 x 157 x 115 mm
Rubber feet	Yes
Rotors and adapters (included in the standard pack)	8 x 2.0/1.5 ml Closed rotor PCR strip rotor (2 x 8 x 0.2 ml) Reduction adapter for 0.4 / 0.2 ml microtubes
CHF Price	190.00

iFuge M24

Benchtop centrifuge 24 Place
The iFuge M24 multi-purpose laboratory centrifuge for 1.5 & 2.0 ml reaction tubes and is definitely the master. Designed from the ground up using the finest raw materials, the iF-uge M24 effortlessly combines unsurpassed performance, convenience and foolproof safety features to give you much needed peace of mind (high speed microcentrifuge). iFuge M24 equipped with exceptional and premium features such as user-programmable interface, automatic internal diagnostics, lid-el emergency release, and much more, the iFuge M24 is a centrifuge that leaves nothing to be desired.

Specifications / Item no.	iFuge M24
Rotor capacity	24 x 2/1.5ml micro tubes rotor with lid
Max RPM/RCF	13400RPM/17040g
Motor type	Bürstenloser DC
Display	Digital
Speed setting	500-13400RPM in steps of 100RPM
Timer setting	1 to 999 minutes & Infinite
Programmable function	User can set up to 99 predefined protocols
Lid lock Safety	Yes
Weight	7.7 Kg
Dimensions (W x D x H)	355 x 415 x 173 mm
CHF Price incl. rotor	1595.00

iFuge M24PR

Benchtop centrifuge 24 place "Cooled"
The iFuge M24PR multi-purpose laboratory centrifuge for 1.5 & 2.0 ml reaction tubes and is definitely the master. Designed from the ground up using the finest raw materials, the iFuge M24 effortlessly combines unsurpassed performance, convenience and foolproof safety features to give you much needed peace of mind. (Cooled high-speed microcentrifuge) iFuge M24PR equipped with exceptional and premium features such as user programmable interface, automatic internal diagnostics, emergency lid release, and much more, the iFuge M24PR is a centrifuge that leaves nothing to be desired.

Specifications / Item no.	iFuge M24PR
Temperature range	-20°C to 40°C
Speed setting	15000 - 500 RPM
Time setting	30 sec. to 999 min. & infinite mode
Display	Large backlit LCD display
Programmable function	User can set and save up to 99 custom programmes with one line each
Lid lock safety	Ja
Unbalance detection	Ja
Dimensions (W x D x H)	720 x 325 x 305 mm
CHF Price without rotor	3680.00 / without rotor

Accessories for iFuge M24PR

Detail	Item no.	Pcs. CHF
24-place rotor 2/1.5 ml tube rotor with lid 21`420 g / RCF	M24PR-R24	370.00
44-place rotor 2/1.5 ml tube rotor with lid 22`388 g /RCF	M24PR-R44	480.00
8-place rotor 5 ml vessel rotor with lid 18`461 g / RCF	M24PR-R8x5	445.00
4 PCR strip rotor with lid 15'397 g / RCF	M24PR-R4x8	445.00

iFuge M5K Combi

Combi centrifuge 12 / 4 place
It's not just performance that determines the quality of results, but also ergonomics and accessibility. For those who want the best, there is a device from Neuation with the iFuge M5K Combi Centrifuge. It is compactly designed to save bench space and features a combination rotor with 4 x PCR strips and 12x 1.5/2.0ml reaction tubes that delivers accurate results without generating a lot of heat or noise. The automatic lid ensures the safety of the samples and the user, so you can relax and focus on other important tasks that will help you achieve your goals.

Specifications / Item no.	iFuge M5K Combi
Rotor capacity	Micro and PCR tube 12 x 1.5/2 ml + 4 x 8 x 0.2 ml
Maximum speed / RCF	5500 rpm (Fix) / 4387 x g
Motor type	Servo DC-Motor
Time setting	Infinite mode / On - Off
Dimensions (W x D x H)	270 x 190 x 120 mm
Rotors and adapters (included in the standard pack)	Reduction adapter for 0.2/0.1 ml microtubes, reduction adapter for -0.5 ml microtubes
CHF Price incl. rotor	295.00

iFuge CS 2P

Microtiter plate centrifuge
In molecular biology the timely set-up of an experiment is very important as samples, components and puff-ers are thermolabile and fluorescent. iFuge CS 2 Pist is a swing-out microtitre plate centrifuge with a slim de-sign. Main application is the spin down of 96/ 384 well plates for Real time PCR and end point PCR. Both PCR plates with and without rim are compatible with this centrifuge as well as deepwell plates.

Specifications / Item no.	iFuge CS 2P
Capacity	2 microplates - 96 and 384 PCR and deepwell plates (swing-out rotor)
Max RPM/RCF (xg)	500-2200 rpm / 560 g
Motor type	Brushless DC
Speed setting	500-2200 RPM in steps of 100 RPM
Timer setting	1-999 minutes
Programmable function	99 programmes
Lid lock Safety	Yes
Unbalance detection	Yes
Digital display	Yes
CHF Price incl. rotor	965.00

iFuge HCT NXT

HAEMATOKRIT Centrifuge
Whether it's performance, durability or design, quality usually stands out from the crowd of inferior equipment. The iFuge HC was developed after extensive research and development, taking into account user requirements and feedback. Neuation's iFuge HCT NXT is equipped with first-class components and offers the user an unparalleled experience. The compact design combined with the brushless DC motor makes for a unit that is impressively powerful compared to its footprint. This means more power in less space. This makes the iFuge HCT NXT the perfect machine for a lab with limited space and resources.

Specifications / Item no.	iFuge HCT NXT
Rotor capacity	24 x 75 mm long capillary tubes (also 40mm tubes)
Max RPM / RCF	12000 U/min / 14118g
Motor type	BLDC
Display	Digital
Speed setting	500 bis 12000 RPM
Timer setting	1 bis 12 Minuten

Specifications	iFuge HCT NXT
Preset function	The user can set the parameters in advance
Rotor	HCT Rotor with screw cap
Dimensions	330 x 265 x 161 mm
CHF Price incl. rotor	790.00

iFuge UC02

Multipurpose centrifuge 4 x 100 ml
You should not have to compromise between ergonomics and accuracy when buying laboratory equipment. What you need is a device that excels in both areas, because when it comes to the integrity of your research, it cannot be based on a passable device that does not deliver the best. What deserves your attention is a device that is designed to perform at its best. With Neuation's iFuge UC02, you get superior precision from a 15000 rpm speed and programmable microprocessor-controlled centrifuge. Manufactured to give the best results It is designed to give the best results under different loads and will switch off even if there is a slight imbalance. This is greatness at work and brings the desired safety.

Specifications / Item no.	iFuge UC02
Rotor capacity (Max)	4 x 100 ml
Max RPM / RCF (xg)	15000 RPM / 22388 g (RPM and RCF vary depending on rotor)
Motor type	Brushless DC
Display	Digital display
Speed setting	500 to 15000 RPM
Time setting	30 sec. to 999 min. & infinite mode
Adjustable ramp & brake	Yes (selection from 1 to 9)
Unbalance detection	Yes
Lid lock Safety	Yes
Weight	23 kg (without rotor)
Rotors (not included in delivery)	Multiple rotor options (fixed and swing-out rotors)
CHF Price without rotor	3195.00

iFuge UC02R

Multipurpose centrifuge 4 x 100 ml "cooled".
Performance is the key when you have several samples and little time. You need a powerful device that gives you exemplary performance and works with maximum efficiency. One such product is the iFuge UC02R centrifuge from Neuation, which is cooled to provide a constant range in sample temperature along with superior precision from a spin of 15000 ROTATIONS PER MINUTE. With a programmable microprocessor and an automatic shut-off function, it delivers peak performance, every time.

Specifications / Item no.	iFuge UC02R
Rotor capacity (Max)	4 x 100 ml
Max RPM / RCF (xg)	15000 RPM / 22388 g (RPM and RCF vary depending on rotor)
Motor type	Brushless DC
Display	Digital display
Speed setting	500 to 15000 RPM
Time setting	30 sec. to 999 min. & infinite mode
Adjustable ramp & brake	Yes (selection from 1 to 9)
Unbalance detection	Yes
Lid lock Safety	Yes
Weight	43 kg (without rotor)
Temp. range	- 10°C bis 40°C
Common rotor options	for iFuge UC02 & iFuge UC02R (not included)
CHF Price without rotor	3995.00

Rotor options for UC02 & UC02R

Item no.	Common rotor options for iFuge UC02 & iFuge UC02R	Pcs. CHF
UC-600	24 x 2/1.5 ml fixed angle rotor Max. RPM 15000 & RCF up to 21420 x g	360.00
UC-800	4 x 8 PCR Fixed Angle Rotor Max. RPM 15000 & RCF up to 15397 x g	470.00
UC-900	8 x 5 ml fixed angle rotor Max. RPM 15000 & RCF up to 18461 x g	416.00
UC-700	44 x 2/1.5 ml fixed angle rotor Max. RPM 15000 & RCF up to 22388 x g	450.00
UC-146	4 x 100 ml fixed angle rotor Max. RPM 6000 & RCF up to 4628 x g	230.00
UC-147	4 x 50 ml fixed angle rotor Max. RPM 6000 & RCF up to 4750 x g	230.00
UC-148	6 x 50 ml fixed angle rotor Max. RPM 6000 & RCF up to 4910 x g	250.00
UC-150	16 x 15 ml fixed angle rotor Max. RPM 6000 & RCF up to 4910 x g	290.00
UC-149	24 x 15 ml fixed angle rotor Max. RPM 6000 & RCF up to 5070 x g	320.00
UC-142	4 x 100 ml swing-out rotor Max. RPM 4500 & RCF up to 3164 x g	400.00
UC-141	4 x 50 ml swing-out rotor Max. RPM 4500 & RCF up to 3485 x g	220.00
UC-139	16 x 15 ml swing-out rotor Max. RPM 4500 & RCF up to 3485 x g	250.00
UC-140	32 x 10 ml swing-out rotor Max. RPM 4500 & RCF up to 3164 x g	350.00
UC-124	2 x Microplate Swing Out Rotor Max. RPM 4500 & RCF up to 2377 x g	490.00
UC-156	4 x 100 mL swing-out rotor with Bio Safety Cap, RCF 3164 g (Available with 50A,50B,30A,15A,15B,10B,6A) adapters	520.00
	* Common adapters for UC02 & L400P (optional accessories)	

Adapter options for UC02 & UC02R

Item no.	Adapter options for iFuge UC02 & iFuge UC02R	Pcs. CHF
LC01-50A	50mL-Adapter 31.5x61mm / 1X50ml	20.00
LC01-50B	50mL-Adapter 30.5x96mm / 1X50ml	15.00
LC01-50C	50mL-Adapter 32x91mm / 1X50ml	15.00
LC01-30A	30mL-Adapter 25.4x60mm / 1X30ml	20.00
LC01-30B	30mL-Adapter 25x96mm / 1x30ml	15.00
LC01-15A	15mL-Adapter 18x61mm / 1X15ml	20.00
LC01-15B	15mL-Adapter 18x58mm / 1X15ml	15.00
LC01-15C	15mL-Adapter 18x58mm / 3X15ml	15.00
LC01-15D	15mL-Adapter 18x96mm / 1X15ml	15.00
LC01-15E	15mL-Adapter 18x93mm / 1X15ml	20.00
LC01-10A	10mL-Adapter 16.5x76mm / 1X10ml	15.00
LC01-10B	10mL-Adapter 17x62mm / 3X10ml	15.00
LC01-8A	8mL-Adapter 13x89mm / 1X8ml	15.00
LC01-6A	6mL-Adapter 13x89mm / 1X6ml	20.00
LC01-6B	6mL-Adapter 12.8x83mm / 1X6ml	15.00
LC01-6C	6mL-Adapter 12.8x57.5mm / 4X6ml	15.00
LC01-5A	5mL-Adapter 13x71mm / 1X5ml	15.00
LC01-5B	5mL-Adapter 13x58mm / 1X5ml	15.00
LC01-4A	4mL-Adapter 13x65mm / 1X4ml	10.00
LC01-3A	3mL-Adapter 10.8x71.4mm / 1X3ml	10.00
LC01-WA	Wintrobe Tube 8x104.5mm / 1 X Wintrob	10.00

Adapter options for UC02 & UC02R

Item no.	Adapter options for iFuge UC02 & iFuge UC02R	CHF Price
A-016	10 ml tube spacer	10.00A
A-75	4/3 ml tube spacer	10.00
SL6	6 ml tube sleeve	10.00
A-75+SL6	3/4 ml tubeB19:B43e reducer combination	10.00

EN-certified biological safety cabinets

New EN-certified Class II A2 biological safety cabinets.
The safety cabinet is designed with a 10° tilt angle, which is in line with the principle of ergonomics, provides a wider viewing angle, is easy to operate and increases user-friendliness.
A2 safety cabinets are suitable for work in microbiological research for filtering volatile or toxic chemicals and radionuclide.
Three way protection: operator, sample and environment.
Airflow system: 70% air circulation, 30% air extraction.

Benefits :

- 7-inch large touch colour display: touch operation, real-time and clear display of various values of the safety workbench, dynamic air flow diagram, malfunction alarm sound and light display.
- The switch-on password can be set to prevent incorrect operation by unauthorised personnel.
- Automatic wind speed adjustment.
- Power failure memory. Restoration of state before power failure, and an alarm with visual reminder.
- Side windows on both sides for easy observation.
- The working area is integrally formed, which are easy to dismantle and clean.
- A wind speed sensor is fitted in the working area and on the outer exhaust outlet to detect the wind speed in real time.
- in real time.
- It can be operated manually or electrically, the glass door can be pulled down to close the front window when the power is off.
- The housing is separate from the base. The height of the adjustable base can be adjusted individually.
- Interlock function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
- It has an "appointment timing function" that automatically sets the time of switching on, switching off and the running time of the
- UV lamp, fan and socket can be set.
- Closing the front window can trigger the signal twice so that the sterilisation and disinfection function of the UV lamp can be switched on normally.
- Anti-dust structure on the air inlet to prevent dust from entering the air space.
- The split worktop is easier to clean.
-

Technical specifications :

Specifications / Item no.	BSC3-FA-2HA	BSC4FA2HA
External size (W*D*H)	1087*800*2260mm	1383*800*2260mm
Inner size (W*D*H)	980*600*650mm	1280*600*650mm
Work surface height	750mm	750mm
Maximum opening	500mm	500mm
Tested opening	200mm	200mm
Inflow	370m³/h	490m³/h
Air flow volume		
Downstream	65%:690 m³/h	65%:910 m³/h
Outlet flow	35%:370 m³/h	35%:490 m³/h
Front window	> Manual and electric, glass thickness 5mm, UV protection	> Manual and electric, glass thickness 5mm, UV protection
ULPA filter	2 pieces, filtration efficiency for 0.12um particles≥%99.9995.	2 pieces, filtration efficiency for 0.12um particles≥%99.9995.
Illumination	≥1000Lux	≥1000Lux
Noise	69dB65≤EN124	69dB65≤EN124
Display	Colour touch screen	Colour touch screen
CH Standard socket	230V, 3A	230V, 3A
Power supply	AC 230V, 50Hz	AC 230V, 50Hz
Nominal power	< 500 W	< 600 W
Alarm	Abnormal wind speed alarm, glass door in wrong position alarm, power failure alarm	Abnormal wind speed alarm, glass door in wrong position alarm, power failure alarm
Motor	AC single fan, adjustable speed, high efficiency, low power consumption	AC single fan, adjustable speed, high efficiency, low power consumption
Material	Work area: 304 stainless steel, glass side windows; frame and decorative panel: cold-rolled steel with antibacterial powder coating	Work area: 304 stainless steel, glass side windows; frame and decorative panel: cold-rolled steel with antibacterial powder coating
LED lamps	12W 2x	14W 2x
UV lamps	20W	30W
Standard accessories	Safety workbench 1x, underframe 1x, LED lamp 2x, UV lamp 1x, stainless steel water tap 1x, stainless steel gas tap 1x, drain ball valve , CH sockets 2x	Safety workbench 1x, underframe 1x, LED lamp 2x, UV lamp 1x, stainless steel water tap 1x, stainless steel gas tap 1x, drain ball valve , CH sockets 2x
Optional accessories	Formalin steriliser, infrared steriliser, electrically height-adjustable underframe	Formalin steriliser, infrared steriliser, electrically height-adjustable underframe
Gross weight	270kg	345kg
Prices CHF	8750.00	9350.00

PCR workbenches

PCR workbenches

A vertical airflow unit that provides a clean environment.

Standard accessories: UV lamp, LED lamp, base, CH socket 2x, shelf with bar.

Benefits :

- LCD display
- UV sterilisation system
- HEPA filter efficiency 99.999% at 0.3μm
- With memory function in case of power failure
  Interlock function: the UV lamp can only be switched on when the window is closed,
- to ensure the safety of the operator.
  Motorised front window
- UV timer (0-90 minutes): After the set time has elapsed, the UV lamp switches off automatically to be ready for the next experiment.

Models :

Specifications / Item no	PCR-800	PCR-1200	PCR-1500
External size (W*D*H)	800*700*1770mm	1200*700*1770mm	1500*700*1770mm
Inner size (W*D*H)	700*595*550mm	1100*595*550mm	1400*595*550mm
Working opening height	750mm	750mm	750mm
Material	Front and side windows 5 mm tempered glass, anti-UV, motorised	Front and side windows 5 mm tempered glass, anti-UV, motorised	Front and side windows 5 mm tempered glass, anti-UV, motorised
Housing	Cold-rolled steel with bacteria-retardant powder coating	Cold-rolled steel with bacteria-retardant powder coating	Cold-rolled steel with bacteria-retardant powder coating
Workbench	Edelstahl 304	Edelstahl 304	Edelstahl 304
Maximum opening	300mm	300mm	300mm
Pre-filter	Polyester fibre, washable	Polyester fibre, washable	Polyester fibre, washable
HEPA filter efficiency	99.999 % at 0.3μm	99.999 % at 0.3μm	99.999 % at 0.3μm
Airflow speed	0.5-0.3m/s, speed adjustable	0.5-0.3m/s, speed adjustable	0.5-0.3m/s, speed adjustable
Noise	≤65dB	≤65dB	≤65dB
UV Lampe	20W 1x emission of 253.7 nanometres, with UV timer	30W 1x emission of 253.7 nanometres, with UV timer	40W 1x emission of 253.7 nanometres, with UV timer
LED Lampe	8W 2x	12W 2x	12W 2x
Illuminance	≥350lx	≥350lx	≥350lx
Shelf with bar	1770*Rustproof steel, 50*150*502mm	1770*Rustproof steel, 50*150*502mm	1770*Rustproof steel, 50*150*502mm
Underframe	l Universaluntergestel mit Nivellierfüßen	l Universaluntergestel mit Nivellierfüßen	l Universaluntergestel mit Nivellierfüßen
Consumption	400W	600W	600W
230V socket	Two, total load≤500W	Two, total load≤500W	Two, total load≤500W
Power supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard accessory	UV lamp; LED lamps; base; waterproof socket 2x; shelf with pole	UV lamp; LED lamps; base; waterproof socket 2x; shelf with pole	UV lamp; LED lamps; base; waterproof socket 2x; shelf with pole
Price CHF	3350.00	3950.00	4700.00

Freezing point osmometer

Gonotec freezing point osmometer
OSMOMAT® 3000 For the determination of total osmolality in aqueous solutions. Convenient operation and step-by-step user guidance on a 5.7" LCD screen. Calibration optionally at 2 or 3 points. PC connection via RS232 or USB. Connection of a barcode reader possible. Standard version with sample volume 50 ul, (option 15 ul)
Measuring time of one measurement approx. 1 min.
Measuring range up to approx. 3 osmol/kg,
Resolution 1 mOsmol over the full measuring range.
Reproducibility <± 0.5%.
Automatic calibration with water and calibration standard, automatic triggering of crystallisation, as well as measured value recognition and storage. Qualification/validation documents (e.g. IQ,OQ) are available for this device
available at an extra charge
Standard accessories:
100 measuring vessels, 10 ampoules calibration standard 300 & 850 mOsmol/kg,
1 Pasteur pipette (blow-out device), 1 ampoule opener, 2 fuses,
1 adjustment aid, 1 mains cable, 1 RS232 cable, 1 USB cable.1 user manual

Price Basic	Price 3000 from
6350.00 CHF	7920.00 CHF

CM 20 Chloride meter

Gonotec chloride meter
The Chloride Meter CM20 enables the fast and accurate determination of the concentration of chloride ions in aqueous micro samples from 10 µl.
With digital data output (2x RS232, 1x USB).
Including standard accessories, consisting of:
1x reagent set, 10 ampoules standard solution 100mmol/l,
1x ampoule opener,
1x stirring fish, 1x stirring fish remover,
1x beaker,
1x silver cleaning cloth with tarnish protection and 1x microfibre cloth for probe cleaning,
1x measuring electrode (built-in)
1x anode/cathode each (built-in)
1x user manual

Price from
8990.00 CHF incl. installation and instruction

EXAKT Three Roll Mills

EXAKT three roll mills and ointment mills
Precise down to the smallest particle
Many requirements, one answer - the high-performance three roll mills from EXAKT achieve above-average results in the processing of medium to high viscosity suspensions.
Targeted and controlled dispersing, wetting, homogenising and deaerating.
This is how suspensions of the best functionality and quality are created. Be it in the comminution of, e.g.
crystalline structures or in the deagglomeration of particles down to the nano range. Easy to handling and cleaning.

50 i Three-roll mill / paste mill

Three-roll mill / Salve mill
G-Line three roll mills from EXAKT stand for compact performance and high operating comfort, and that at an excellent price-performance ratio. The precise one-hand adjustment of the roller gap to up to 10µm ensures excellent, reproducible product finenesses. The mechanical concept of the gap adjustment rules out dry running of the rollers, making the units operationally reliable, low-wear, durable and particularly easy to operate.

- Interchangeable roller set - lightning fast with just a few simple steps
- Throughput up to 5l/h with smallest roller
- gap Various safety devices
- Self-aligning universal pick-up base
- Roller gap up to 10 µm
- Infinitely adjustable roller speed Roller
- material: ceramic (Al2O3) or steel (chrome)
- One-hand operation for gap adjustment

Price from
8500.00 CHF

80 E Plus three-roll mill

E-Line three roll mills from EXAKT have a unique electronic control concept that guarantees perfect control of all parameters in the dispersion process. The electronic adjustment of the roll gap in 1 µm steps as well as the measurement of the forces in the roll gap also offer unique dispersion and analysis functions. All process-relevant parameters are shown in real time on the display and can be stored using the optional DataLog functions and processed externally for documentation and evaluation. The E-Line three-roll mills from EXAKT thus offer users in research and production the highest level of process control and quality in the most diverse areas of application.

- Electronic adjustment of the roller gap in 1-µm steps Graphic display of the dispersion process in
- real time Force mode: adjustable line pressure up to 26 N/mm, depending on working width
- Throughput of up to 18 l/h at 10 µm gap setting
- One-Pass Calibration- automatic adjustment of the roll gap parallelism
- Gap mode: roller gap from 5 µm to 180 µm
- Processing quantities of less than 10 ml possible
- Roller material: ceramic (Al2O3 or SIC) or steel (chrome or tungsten carbide)

Price from
45`500 CHF

80S Plus Three Roll Mill

S-Line three-roll mills from EXAKT offer the highest precision and reproducibility with gap settings down to 5 µm. No one offers more precision! Despite the compact, space-saving design, a very powerful drive system is integrated, so that even the processing of very high-viscosity materials is possible. Depending on the rheological properties, pastes with 5 million mPas and more can be processed, for example, and the standard integrated option of roller temperature control is an advantage here. The machine is operated via a clear colour display that shows the speed, temperature, production timer and power consumption. More operating comfort is not possible.

- Colour display
- Processing quantities of less than 10 ml possible Roller material: ceramic (Al2O3 or SIC) or steel (chrome or tungsten carbide) Stainless steel
- housing
- Roller gap from 5 µm to approx. 230 µm Throughput of up to 18 l/h with 10 µm gap
- adjustment Roller temperature control Particularly safe cleaning operation

Price from
45´500 CHF

120S Plus three-roll mill

The latest generation of EXAKT 120S PLUS three-roll mill technology is characterised by state-of-the-art safety technology, optimum operation and precise adjustment of the roll gap. The new, more powerful drive system, the integrated roll temperature control and the choice between ceramic or metallic roll material make the 120S PLUS the ideal three-roll mill for processing a wide range of materials in production operations.
The convenient operating concept of the EXAKT 120S PLUS makes working simple and safe. In addition to the Pilz-certified safety concept, the 120S PLUS has a separate cleaning and reverse operation mode. The control panel clearly displays the current speed, the power consumption and various production timers.

- Clear display of speed, temperature, production timer and power consumption on colour display Theoretical
- max. throughput of 27 l/h with 10 µm roller gap
- Roller materials: chrome or aluminium oxide
- Particularly safe cleaning operation
- Adjustable roller gap from 5 to approx. 220 µm Housing made of highly resistant
- stainless steel State-of-the-art safety
- technology

Price from
64´500 CHF

CB / CBF

Co2 incubator without and with controlled humidity

The BINDER CBF is the high-end CO_2 incubator with humidity control, suitable for all sensitive incubation tasks in GMP environments. It guarantees consistent results even for cell-based assays with multi-well plates. This BINDER incubator can also easily cope with complex cultivation approaches or individual growth environments under hypoxic conditions thanks to its extensive range of options and accessories.

Obstacle-free, fanless interior with rounded edges

No air movement and a homogeneous atmosphere - the CB design uniquely succeeds in meeting both requirements simultaneously. The result is the best cell growth without airborne contamination of your cell cultures.

Hot air sterilisation without chemicals, UV lamps, HEPA filter

180°C hot air sterilisation - save the money for hydrogen peroxide, UV lamps or HEPA filters and sterilise for a franc with maximum effectiveness.

Benefits

- Safe due to maximum contamination protection of the cell cultures
- Smart through simple routine cleaning and convenient operation
- Reliable due to constant comfortable conditions for the cells

Economical due to economical operation without consumables

Proven anti-contamination concept with 180 °C hot air sterilisation

Seamless stainless steel inner chamber with beading as insertion support

Intuitive touchscreen controller

Fault diagnosis system with visual and audible alarm

CO2 Fail Safe System for pH protection of cell cultures

Important features

Contamination-safe humidification system without

- water tray Hot-air sterilisable CO2 sensor with single-beam infrared technology
- Fanless interior with Venturi CO2 gas mixing nozzle
- Internal data logger, measured values can be read out in open format via USB
- Interfaces: Ethernet, USB, potential-free alarm contact

Item no.	Model	Enclosure dimensions plus attachments and connections W x H x D [mm]	Inner dimensions W x H x D [mm]	Interior-volume [L]	Pcs. CHF
9640-0005	CB 56	528 x 674 x 545	400 x 400 x 330	53	9233.55
9640-0006	CB56 with O2 control	528 x 674 x 545	400 x 400 x 330	53	11816.35
9640-0009	CB 170	680 x 870 x 715	560 x 600 x 505	170	11789.40
9640-0010	CB 170 with O2 control	680 x 870 x 715	560 x 600 x 505	170	14423.70
9640-0017	CBF 170 with humidity control	680 x 870 x 715	560 x 600 x 505	170	13765.10
9640-0018	CBF170 with humidity control & O2 control	680 x 870 x 715	560 x 600 x 505	170	16399.40
9640-0013	CB 260	740 x 1020 x 785	620 x 750 x 575	267	16399.40
9640-0014	CB260 with O2 control	740 x 1020 x 785	620 x 750 x 575	267	19033.75
9640-0021	CBF260 with humidity control	740 x 1020 x 785	620 x 750 x 575	267	18375.15
9640-0022	CBF260 with humidity control & O2 control	740 x 1020 x 785	620 x 750 x 575	267	21009.45

KBF-S ECO

Thanks to Peltier technology with patented heat dissipation, the new KBF-S ECO climate control cabinet is one of the most energy-efficient constant climate control cabinets on the market. Thanks to Peltier technology, the KBF-S ECO series is also particularly quiet.

Benefits

- Safe due to standard-compliant testing according to ICH Q1A guideline, even when fully loaded.
- Smart, as it can be highly customised to individual customer requirements thanks to a wide range of accessories.
- Reliable thanks to uncompromisingly fail-safe operation. Economical due to lowest energy consumption thanks to optimised Peltier technology.
- Humidity range: 10 % r.h. to 80 % r.h. Independent water supply via canister
- Internal data logger, measured values can be read out in open format via USB
- Inner vessel completely made of stainless steel
- Feed-through with silicone plug Ø 30 mm, left side

Important features

- Temperature range (max. 24 °C below ambient temperature): 0 °C to +70 °C
- APT.line™ preheating chamber technology
- LCD display for temperature and humidity as well as
- additional information and alarmsUnit self-test for
- comprehensive status analysis 2 stainless steel slide-in grids, incl. shelf support

Item no.	Model	Enclosure dimensions plus attachments and connections W x H x D [mm]	Inner dimensions W x H x D [mm]	Net-weight [kg]	Interior volume [L]	Pcs. CHF
9020-0416	KBF-S ECO 240	925 x 1461 x 796	650 × 785 x 485	146	247	13301.55
9020-0418	KBF-S ECO 720	1250 x 1925 x 885	973 x 1250 x 576	267	700	18532.15
9020-0419	KBF-S ECO 1020	1250 x 1925 x 1149	973 x 1250 x 836	322	1020	23503.95

MK/MKF/MKT/MKFT

The environmental simulation chambers from BINDER are perfectly suited for material testing under dynamic conditions. The standard high change speeds of around 5 K/min enable standard-compliant testing. An MK or MKT environmental simulation chamber is suitable for demanding temperature profiles in the range of -40 °C or -70 °C to 180 °C. The MKF and MKFT series of interchangeable climate chambers not only enable material testing in this temperature range, but can also control humidity in the range 10 to 98 % RH and are available in volumes from 56 to 720 litres. **Please contact us!**

ED

Drying cabinets are used wherever it is necessary to protect sensitive objects or materials from moisture. Drying cabinets are also indispensable for testing materials. The versatile range of applications can make it difficult to select the right cabinet. BINDER provides you with its expert knowledge here so that you can consider all the necessary aspects.
The strengths of a BINDER drying oven of the ED series are routine drying and sterilisation tasks up to 300 °C. Thanks to natural convection, all thermal processes run highly efficiently in this drying oven. The ED series thus ensures fast, uniform drying.

Benefits

- Best energy efficiency on the market USB
- connection for data recording

Important features

- Temperature range: +5 °C above ambient temperature to +300 °C
- Ergonomic handle design
- Up to 30% more energy efficient than conventional
- units Natural convection
- Electromechanical control of the exhaust air flap
- Stackable units up to 115 L
- Very good temporal and spatial temperature
- accuracy Temperature range up to +300 °C

Integrated temperature selector limiter class 2 (DIN 12880) with optical alarm
USB connection for data recording
High temperature accuracy due to APT.line™ technology Controller with LCD display
2 chrome-plated slide-in grids

Item no.	Model	dimensions plus attachments and connections W x H x D [mm]	Inner dimensions W x H x D [mm]	Net-weight [kg]	Interior-volume [L]	Pcs. CHF
9010-0333	ED 56	560 x 625 x 565	360 x 420 x 380	42	57	1601.70
9010-0335	ED 115	710 x 705 x 605	510 x 530 x 425	57	114	2360.80
9010-0339	ED 260	810 x 940 x 760	610 x 760 x 550	85	255	4411.35
9010-0341	ED 720	1165 x 1590 x 870	960 x 1280 x 605	169	743	7837.90

Ultra Clear™ TP ED

Ultrapure water unit
Ultra Clear™ TP ED: Your new ultrapure water system with electronic dispenser.
The new Ultra Clear™ TP ED series is equipped with an electronic dispenser for precise, volume-controlled dosing of up to 2 l/min of ultrapure water. The improved and intuitive software allows an easy-to-use dispensing process - directly and without delay. A new printer and Modbus interface integrates the data transfer into your existing system.

SET TO MEET THE HIGHEST REQUIREMENTS

Installation is very simple. All units are delivered from the factory ready for operation, including the first set of modules and filters, as well as all necessary connection hoses. A 7" multi-colour touch display for easy and intuitive operation. You have everything at a glance and the display shows you all the important parameters and change intervals. Easy access to the treatment modules, so you can change them without a service technician if necessary. These perfect components have a long service life and are individually monitored by our software. You can therefore produce ultrapure water at low cost. Only one highly efficient UV lamp is used for TOC oxidation and monitoring, which reduces your costs considerably. An integrated, user-guided disinfection mode increases the service life of your system. All systems are expandable with optional accessories. Our reliable service and maintenance contracts protect your unit for years to come.

TYPICAL AREAS OF APPLICATION

- HPLC
  GC and GC/MS
  ICP and ICP/MS
  RNAse-, DNAse-, DNA-free IVF
  crit. Cell and tissue cultures
- IC
- TOC analysis
- DNA sequencing
- PCR
- 2-D electrophoresis
- Applications with extremely low pyrogen contents

Item no.	Model	Model	Pcs. CHF
W3T276073	Ultra Clear TP ED UV TM	Polisher	7´190.40
W3T276074	Ultra Clear TP ED UV UF TM	Polisher	7´690.80

THE POLISHER MODELS

Designed to be fed with deionised water at conductivity < 20 µS/cm. The unit has an ultrapure water output of up to 2 l/min and delivers a water quality of 18.2 MΩ-cm (0.055 µS/cm). The produced water exceeds the common quality standards.

Consumables for Polisher models

Item no.	Type	Pcs. CHF
W2T558521	Ersatz UV Lampe	322,90
W3T197613	Vorbehandlunsmodul	149,40
W3T197694	Nachbehandlungsmodul	531,70

LABOSTAR® 10 RO DI

CLEANING SYSTEM with direct connection to drinking water
LABOSTAR® 10 RO DI / HIGH QUALITY - LOW COST
The LaboStar® RO DI series produces high quality water by using very low energy. The use of "low energy" membranes ensures efficient and economical use. Each RO DI unit is equipped with an integrated 7 litre storage tank. Optionally, a 30 or 60 litre tank can be added. The pure water is collected in a tank and transferred by an integrated circulation pump. The LaboStar RO DI is equipped with a demineralisation module. The demineralisation module improves the permeate to type II water with a conductivity <0.1 µS/cm. The system has two dispensing points: Water can be taken under pressure from the dispenser at the front of the unit or from the outlet at the rear. A charged 0.2 µm sterile filter can optionally be attached to the dispenser to retain bacteria and endotoxins*. An uncharged 0.2 µm filter is also available. The LaboStar RO DI system is delivered ready to use, with all consumables.

Typical areas of application

- IC
- Cythology + histological work Photometry
- and spectrophotometry Electrophoresis
- Feeding of ultrapure water systems
- Pathology
- Buffer approach
- Media preparation
- General chemistry
- Final rinse of laboratory rinsing machines

System performance

- Permeate capacity l/h 10
- Retention rate for bacteria
- % 99 Permeate conductivity
- µS/cm < 0.1 Particles > 0.2
- µm per ml < 1*2
- Salt retention rate % 96
- Particle retention % 99
- Bacteria cfu/ml < 0.1*1 Flow rate dispenser up to
- l/min 1.2
-

Item no.	Detail	Pcs. CHF
W3T324493	LaboStar 10 RO DI	4´431,60
W3T324494	30 l-Vorratstank	802,70
W3T324495	60 l-Vorratstank	860,90

Consumables for Labostar

Item no.	Type	Pcs. CHF
W3T197613	Vorbehandlungsmodul AMB	149,40
W3T197620	RO/ Modul	414,00

Ultra Clear™ RO DI

PURE WATER SYSTEM

HIGH QUALITY - LOW PRICE
The Ultra Clear® RO DI system delivers permeate with an approx. 98 % reduced salt content. In the Ultra Clear RO DI system, the RO permeate is treated by a mixed bed cartridge to a quality of < 0.1 µS/cm. With a retention rate of 98 %, feed water with a conductivity of 400 µS/cm still has a conductivity of approx. 8 µS/cm after RO treatment. The Ultra Clear RO DI system purifies this permeate to < 0.1 µS/cm. The initial delivery includes pre-treatment and residual desalination modules. These must be replaced regularly, depending on the water consumption and degree of contamination of the raw water, typically every 3 months. Compared to our Ultra Clear RO EDI, the Ultra Clear RO DI units are a cheaper alternative to purchase, but it must be taken into account that regular module replacement is required. An Ultra Clear RO unit equipped with DI module will deliver water quality that meets most laboratory requirements. Input and product water quality is displayed in all Ultra Clear RO systems. The salt retention rate can be read in percent. Storage tanks are available as standard in 30, 60 and 80 litre sizes. Tanks of up to 3,000 litres are available if required. Can be connected directly to the feed water (observe specifications).

Typical fields of application

- Feeding of ultrapure water
- systems Laboratory rinsing
- machines incl. last rinse Buffer
- preparation
- Spectrophotometry

- **Benefits**

Easy module exchange due to quick coupling
High capacity of the DI module
Service/maintenance message Consumables
included in scope of delivery
General chemistry
Supply of autoclaves and climatic chambers
Photometry
Media preparation

Item no.	Detail	Pcs. CHF
W3T441747	Ultra Clear RO DI 20	5´653,20
W3T441748	Ultra Clear RO DI 30	5´823,60
W3T324512	Tank 30 l	1´057,20
W3T324513	Tank 60 l ohne Pumpe	1´129,30

Consumables for Ultra Clear RO DI models

Item no.	Type	Pcs. CHF
W3T197613	Vorbehandlungsmodul AMB	149,40
W3T439875	RO-Modul 15 l/h	430,45
W3T197620	RO-Modul 20 l/h	414,00

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All prices quoted are exclusive of VAT. Prices are subject to change without notice.