

Laboratory Line

Whatever You Need - We Have it!

- > Indispensible helpers
- > Robust and maintenance-free
- > Precise and reliable

LABORATORY EQUIPMENT

CoreLab DX



Movie



Human

Diagnostics Worldwide

Clinical Centrifuges

High Flexibility and Safe Pretreatment of Your Samples

- > Reliable and maintenance-free
- > Low noise level
- > Lid lock



Ideal for quick spin downs of micro and PCR tubes



24 hematocrit determinations in 5 minutes



HuMax Micro REF

Micro benchtop centrifuge

110-230 VAC EU plug	15150
110-230 VAC US plug	15150/110

> Rotors included

Fixed-angle rotor/PCR rotor

> Rotors available and speed

Fixed-angle rotor (incl.):	7,000 rpm
PCR rotor (incl.):	7,000 rpm

> RCF

Fixed-angle rotor	
18,624 x g	15150/10
PCR rotor	
13,620 x g	15150/11

> Maximum capacity

Fixed-angle rotor	
4 x 1.5/2 ml	15150/10
PCR rotor	
16 x 200–800 µl	15150/11

HuMax HCT REF

Hematocrit/microliter benchtop centrifuge

230 VAC	15500
110 VAC	15500/110

> Rotors included

Hematocrit rotor

> Rotors available and speed

Hematocrit rotor (incl.):	12,000 rpm
Fixed-angle rotor:	14,000 rpm

> RCF

Fixed-angle rotor	
18,624 x g	15502
Hematocrit rotor	
13,620 x g	15501

> Maximum capacity

Fixed-angle rotor	
24 x 1.5/2 ml	15502
Hematocrit rotor	
24 x capillary	15501

HuMax 3K REF

Small capacity benchtop centrifuge

110-230 VAC	15450
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> Rotors included

Fixed-angle rotor

> Rotor available and speed

Fixed-angle rotor (incl.):	4,500 rpm
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> RCF

Fixed-angle rotor	
2,490 x g	15302P

> Maximum capacity

Fixed-angle rotor	
12 x 10 ml, 8 x 15 ml conical	15302P



Hematocrit rotor



HuMax 4K

REF

Small capacity benchtop centrifuge

230 VAC	15200/2
110 VAC	15200/1

> Rotors included

Fixed-angle rotor

> Rotor available and speed

Fixed-angle rotor (incl.): 5,000 rpm

> RCF

Fixed-angle rotor

2,822 x g 15302P

> Maximum capacity

Fixed-angle rotor

12 x 1.5/2/5/7 ml,

12 x 15 ml conical 15302P



HuMax 5K

REF

Medium capacity benchtop centrifuge

230 VAC	15300/2
110 VAC	15300/1

> Rotors included

none

> Rotors available and speed

Fixed-angle rotor: 4,100 rpm 15302P

Swing-out rotor: 4,100 rpm 15301

Swing-out MTP rotor: 4,100 rpm 15303

> RCF

Fixed-angle rotor

2,142 x g 15302P

Swing-out rotor

2,819 x g 15301

Swing-out MTP rotor

2,011 x g 15303

> Maximum capacity

Fixed-angle rotor

16 x 1.5/2/5/7 ml 15302P

Swing-out rotor

4 x 5/7/100 ml, 2 x 15 ml conical,

4 x 15 ml conical 15301

Swing-out MTP rotor

2 x MTP 15303



HuMax 14K

REF

High-speed benchtop centrifuge

230 VAC	17160
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> Rotors included

none

> Rotors available and speed

Fixed-angle rotor: 14,000 rpm 17163

Fixed-angle rotor: 4,100 rpm 17162

Swing-out rotor: 4,100 rpm 17161

> RCF

Fixed-angle rotor

18,405 x g 17163

Fixed-angle rotor

3,007 x g 17162

Swing-out rotor

3,045 x g 17161

> Maximum capacity

Fixed-angle rotor

24 x 200-800 µl,

24 x 1.5/2 ml 17163

Fixed-angle rotor

30 x 1.5/2/5/7 ml, 15 x 15 ml conical,

4 x 100 ml 17162

Swing-out rotor

28 x 5/7 ml, 12 x 15 ml conical,

28 x 15 ml conical, 4 x 100/200 ml 17161

Mixers and Water Purification

Individual and Flexible

- > Maintenance-free
- > Easy-to-use



Versatility
at its best



Mix for reliable
performance

HumaTwist

REF

Vortex mixer

230 VAC/50 Hz	EU 2 pin plug	17175
230 VAC/60 Hz	UK 3 pin plug	17176
110 VAC/50 Hz	US 3 pin plug	17177
110 VAC/60 Hz	US 3 pin plug	17178

- > Continuous and touch operation
- > Adjustable speed 0-2,500 rpm
- > Reduced vibration by special designed silicone absorber
- > Steel base with ultra high vibration damping
- > Various adapter for different applications

Accessories for HumaTwist

100 mm plate attachment with rubber pad	17175/5
48 test tubes 6 mm	17175/6*
18 test tubes 10 mm	17175/7*
12 test tubes 12 mm	17175/8*
8 test tubes 16 mm	17175/9*
8 test tubes 20 mm	17175/10*

HumaRoll

REF

Horizontal benchtop tube roller

110-230 VAC	15460
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- > Continuous operation
- > Adjustable speed range 0-70 rpm
- > Horizontal tilt and roll motion (amplitude 24 mm)
- > Large capacity: 6 rolls with 280 mm length
- > Universal power connector (IEC-60320C13)

* 100 mm plate attachment with rubber pad necessary REF 17175/5



Water purification
for rural areas

HumaRock	REF
Benchtop rocking shaker	
110-230 VAC	14570

- > Tilt angle $\pm 7^\circ$
- > Speed range 0-80 rpm
- > Variety of plates and fixing clips
- > Delivered without attachment
- > Universal plug EU, UK, US included

Accessories for HumaRock	
Universal attachment with 3 bars	14570/10
Fixing clip attachment	14570/11
Lengthways roller attachment	14570/12
Dish attachment with non-slip mat	14570/13
Bar universal attachment black	14570/14
Fixing clip for flask volume 25 ml	14570/15
Fixing clip for flask volume 50 ml	14570/16
Fixing clip for flask volume 100 ml	14570/17
Fixing clip for flask volume 200/250 ml	14570/18
Fixing clip for flask volume 500 ml	14570/19
Workplate line immuno assay	14570/20

HumaPure	REF
Cost-efficient water demineralizer/ion exchanger	
230 VAC	15110
110 VAC	15110/110
HumaPure SET with prefilter set and spare filter cartridge	
230 VAC	15115
110 VAC	15115/110

- > Constant water quality
- > Capacity 425 l
- > Flow rate 50 l/h
- > Quality $\mu\text{S}/\text{cm}$ 0.1-20
- > Analog conductivity meter
- > Device, tubing, filter cartridge included

Accessories for HumaPure	
Prefilter set (prefilter housing, prefilter, tube set)	15113
Consumables for HumaPure	
Filter cartridge	749510
Spare prefilter	749321

Liquid Handling

Maximum Precision for Reliable Results

HumaPette PREMIUM Line

Highest quality Made in Germany

- > Maximum versatility and optimum quality
- > Proven performance
- > CE marked IVD

Features

- > One hand operation for right and left handed
- > Fully autoclavable (20 min. at 121°C)
- > Volume adjustment protection
- > Tool-free maintenance
- > Corrosion-resistant piston and ejector
- > Color-coded volume range



Fully autoclavable

Easy calibration technique

Fixed volume	REF
10 µl	19505P
20 µl	19510P
25 µl	19515P
50 µl	19520P
100 µl	19525P
200 µl	19530P
250 µl	19535P
500 µl	19540P
1,000 µl	19545P

Digital adjustable	REF
0.5-10 µl	19110P
2-20 µl	19120P
10-100 µl	19125P
20-200 µl	19130P
100-1,000 µl	19140P
500-5,000 µl	19150P
1,000-10,000 µl	19160P



HumaPette-8 Channel	REF
Perfect tool for all ELISA microtiter assays	
5-50 µl	19320P
30-300 µl	19330P



Premium Starter kit	REF
Containing 3 digital adjustable pipettes of different volumes, corresponding racked BRAND pipette tips each crystal, yellow, blue and rack mounts	
0.5-10 µl	19110P
10-100 µl	19125P
100-1,000 µl	19140P

HumaPette SMART Line

Superior price/performance ratio

- > Ergonomically and accurate
- > CE marked IVD

Features

- > Convenient plunger position
- > Low force to push plunger
- > Easy set and read display
- > Feedback from button operation
- > Simple calibration



Fixed volume	REF
5 µl	19500L
10 µl	19505L
20 µl	19510L
25 µl	19515L
50 µl	19520L
100 µl	19525L
200 µl	19530L
250 µl	19535L
500 µl	19540L
1,000 µl	19545L

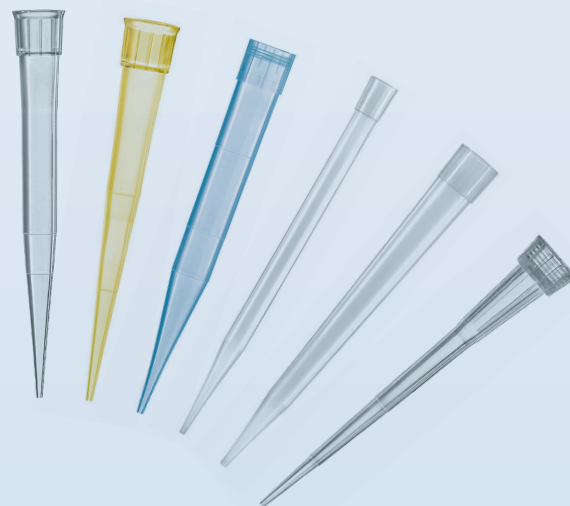
Digital adjustable	REF
0.5-10 µl	19110L
5-50 µl	19120L
10-100 µl	19125L
20-200 µl	19130L
100-1,000 µl	19140L
1,000-5,000 µl	19150L

Pipette Tips for all Types of HumaPettes

"1-way" tips avoid contamination			REF
crystal	0.5-20 µl	10,000 pcs	19320/20
yellow	2-200 µl	10,000 pcs	19910/20
blue	50-1,000 µl	5,000 pcs	19920/40
white	0.5-5 ml	200 pcs	19150/10
white	1.0-10 ml	1,000 pcs	19160/10

For HumaPette-8

HumaPette-8	5-300 µl	1,000 pcs	19320/10
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Incubation

Achieve Temperature Uniformity



HumaCube

REF

Incubator for round tubes

220 VAC	17050
110 VAC	17070

- > 20 positions of \varnothing 13 mm
- > 4 positions of \varnothing 15 mm
- > Temperature range:
25 °C, 30 °C, 37 °C, 45 °C
- > Digital display for temperature
- > Reliable accuracy and uniformity of temperature

HumAqua 5

REF

Unstirred waterbath (cover not incl.)

220 VAC	17180/2
110 VAC	17180/1

- > Tank volume: 6 litres
- > Useful volume: 4 litres
- > Temperature range:
ambient + 5 °C to 99.9 °C
- > Digital display for temperature and time
- > Programmable microprocessor controlled system

Accessories for HumAqua 5

Plexiglass cover

(resists up to 60 °C) 17180/10

Stainless steel cover 17180/11

Rack for 52 tubes 13x70 mm 17180/12

Rack for 30 tubes 16x70 mm 17180/13

Rack for 27 tubes 18x70 mm 17180/14

Rack for 12 tubes 30x70 mm 17180/15

HumaTherm

REF

Incubator

220 VAC	17195
110 VAC	17195/110

- > Internal volume: 22 litres
- > Temperature range:
ambient + 5 °C to 80 °C
- > Digital display for temperature and time
- > Safety thermostat
- > Programmable PID microprocessor control system