

Product specification

Cellutec Pro / Pro + · Vacuum tissue processor

Cellutec Pro Item No.: 11000700
Cellutec Pro + Item No.: 11000710



Specifications - General

	Cellutec Pro	Cellutec Pro +
Nominal power	115 - 230 V AC ± 10 %	115 - 230 V AC ± 10 %
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Power draw	1000 W	1500 W
Protective class	I	
Fuses	15 V = 10 A (6.3 x 32 mm) (T), 30 V = 5 A (6.3 x 32 mm) (T)	115 V = 16 A (6.3 x 32 mm) (T), 230 V = 8 A (6.3 x 32 mm) (T)
Pollution class	2	
Overcurrent protective class	II	
Maximum elevation	2500 msl	
Approvals:	CE, IVD, cTUVus (UL 61010-1:2004 R10.08, IEC 61010-2-010:2003, IEC 61010-2-101:2002, CAN/CSA-C22.2 NO. 61010-1-04+G11_610-2-010-04_610.2.101-04 (R2009)	
Operating temperature range	+15 to +30 °C	
Operating humidity	max. rel. 70 % non-condensing	
Storage temperature range	+5 to +55 °C	
Storage humidity	max. rel. 70 % non-condensing	

All temperature specifications refer to an ambient temperature of +15 - 30 °C and a relative humidity of 70 % max.

Dimensions and weights

	Cellutec Pro	Cellutec Pro +
Dimensions (w x d x h)	680 x 700 x 1500 mm (with monitor)	
Weight	198 kg	226 kg
Dimensions packaging (w x d x h)	800 x 1400 x 900 mm	
Weight incl. packaging (wooden case)	257 kg	284 kg

Technical features

	Cellutec Pro	Cellutec Pro +
Cassettes processing capacity	360 / 420 standard cassettes	
Equipped baskets	n. 3 baskets made of stainless steel with capacity of 120 / 150 cassettes each	
SPC sensors in the processing chamber	n. 3 level sensors for the detection of the right filling	
EHE (Enhanced Heat Exchanger)	-	Rapid tissue processing (without microwaves)

Protocols features

Processing programs	n. 18
Favorite programs, with quick starting up	n. 6
Washing programs	n. 4
Inverted processing program	n. 1
Max time for each step	99 h and 59 min
Max delay time	14 d, 23 h, 59 min
Process end time	modifiable for each process, self-recording

Reagents

Processing reagents	10 reagent tanks, capacity 5 l
Process chamber washing reagents	2 reagent tanks for washing reagents, capacity 5 l
Paraffin containers	3 of 5 l each
Reagent heating temperature	room temperature up to 65 °C
Paraffin heating temperature	55 – 65 °C
Process pressures	600 / 1200 hPa
Reagent agitation	no. 6 mixing levels

Reagents

Vacuum and pressure function	4 (V/P, V, P, ambient)
RMS - Reagent Management System	complete control on reagents, paraffins, clean cycles and charcoal filters
RFD – Remote Fill and Drain	YES
EWD – External Wax Dumping	YES
PWD – Protected Wax Dumping	YES
Vapor treatment	specific charcoal filter, with forced ventilation

Features HW & SW

Touch screen monitor	colors LCD TFT - 15"
Available software languages	14
USB ports	5 for data transfer, backup, printer and UPS
Network ports (Ethernet)	2 ports LAN 10/100 MB
Alarm	input for external alarm (48 V AC/DC max 1A)
UPS	external dedicated UPS (optional)

Standard components

	Pro	Pro +
Sample processing chamber	✓	✓
Sample baskets (3 pcs. à 150 cassettes)	✓	✓
Reagent tanks 5 l capacity (12 pcs.)	✓	✓
Paraffin tanks 5 l capacity (3 pcs.)	✓	✓
EHE for fast processing		✓
Backlit bottles		✓
NFC (Near Field Communication) technology		✓
LIS integration capability	✓	✓
SPC level sensors (3 pcs.)	✓	✓
Charcoal filter	✓	✓
Color touch screen 15" with 3 cables (VGA-USB touchscreen - power 12 V)	✓	✓
Basket carrier	✓	✓
RFD hoses (Remote Fill & Drain tubes), 2 pcs.	✓	✓

Standard components

	Pro	Pro +
EWD hose (External Wax Dumping tube)	✓	✓
Rear spacers, 2 pcs.	✓	✓
Remote alarm connector	✓	✓
Reagent bottles, 12 pcs.	✓	✓
Condensate tank	✓	✓
Operating instruction for the installation of carbon filters	✓	✓
Mains cable	✓	✓

Options (cannot be retrofitted in the field)

	Item No.
Additional RFID reader for user identification	11000720
Barcode Reader Gun Opticon L-46X-USB-BLK-STD	11000724

Optional accessories

	Item No.
Plastic bottle for reagents	11000730
Cassette basket (for 150 cass. with dividers & cover) with Barcode	11000732
Samples basket BULK with BARCODE identification	11000733
Holder for cassette basket (Cellutec)	11000734
Quick coupler male complete with tube, cap and o-rings (assembly)	11000735
Tube for external wax dumping (EWD) (assembly)	11000736
Tube for remote fill and drain (RFD) (assembly)	11000737
Uninterruptible Power Supply (UPS) 220 - 240 V / 2200 VA	11000504
Remote Service Hardware (Internet access modem for remote control)	11000725

Comments / additional information:

In case of further questions, please feel free to contact us at every time.

SLEE medical GmbH · Am Neuberg 14
55268 Nieder-Olm · Germany
www.slee.de

T: +49 (0) 6136 76997-0
E: mail@slee.de



www.slee.de



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