

Mediapreparators, Mediaprep, Systec



Media preparators of the Mediaprep-Series for preparation and sterilization of microbiological media. 10 to 120 Liters nominal volume.

Designed for preparation and sterilization of agar-containing nutrient media and other sterile liquids, with microprocessor-controlled fully automatic program sequence. The Systec Mediaprep-Series includes stronger heating elements, rapid cooling, magnetic stirring, inner vessel, temperature controlled door lock, dispensing outlet and inlet port for adding additives.

Characteristics:

- Fully automatic microprocessor control incorporating 12 programs
- Sterilization temperature pre-selectable up to 136°C / 3.5 bar
- Novel automatic door closure with safety-lock system, lip-gasket out of silicone and opening at the push of a button
- Temperature- and pressure dependent interlock for the door, inlet port and dispensing port
- Thermal door lock, controlled by pressure and medium temperature according to Pressure Vessel Regulations
- Pressure vessel made of stainless steel (AISI 316), electro polished, resistant against chemicals, easy to clean
- All sterilization programs with pre-selectable sterilization parameters and automatic program sequence
- Rapid cooling with recirculating sterile water, heat exchanger and recirculation pump
- Sterilization time activation based on medium temperature
- Electronic pressure transducer for pressure and temperature regulation
- Autofill - automatic de-mineralized water feed for steam generation
- Steam exhaust condensation - water-cooled with thermostatic control
- Validation port
- Start by clock / timer for programmable start-time
- Prepared for subsequent printer connection
- RS 232 interface for data transfer
- Temperature holding program for keeping agar solutions warm
- Base plate for vessels, baskets etc. when used as autoclave
- Wheels with stop breaks for portable use
- Thermal insulation out of Hanno-Tect, no risk of particle dissociation
- Support frame and housing out of stainless steel
- Safety pressure release valve
- Safety cut off at low water level
- Safety cut off at excess temperature
- Direct electrical heated through strong heating elements for fast heat-up
- Continuous mixing through a stirrer on the bottom of the media-vessel, contact free driven by a strong magnetic motor
- Permanent temperature control with a PT-100 temperature load sensor, directly inside the media
- Inlet-nozzle with safety screw-closure for filling of additives after sterilization
- Media removal through a flexible silicone tubing (either by selectable internal pressure inside the chamber and an electronically controlled pinch valve or with an optional peristaltic pump). Furthermore all filling lines for petri-dishes available on the market or other dispensing devices can be connected, without any exception. The inner filling tube and the dispensing nozzle are sterilized in-line, during the sterilization cycle
- Easy cleaning and operational readiness through exchangeable, removable inner vessel. Thereby no risk of cross-contamination between the different batches



Type	Chamber vol. l	Chamber Ø mm	Chamber H mm	Vol. inner container l	Dimensions inner cont. Ø x D mm	Outer W x H x D mm	Heating cap. kW	Order No.
Systec Mediaprep-10	17	296	250	12/10	270x222	480x555x635	3.6	10 12 91710
Systec Mediaprep-20	30	296	450	23/20	270x422	715x555x635	9.3	10 12 91720
Systec Mediaprep-30	44	296	650	34/30	270x622	915x555x635	9.3	10 12 91730
Systec Mediaprep-45	65	400	485	51.3/45	380x452	1080x550x780	20.0	10 12 91745
Systec Mediaprep-65	90	400	690	74.5/65	380x657	1210x550x780	20.0	10 12 91765
Systec Mediaprep-90	126	500	610	103.5/90	480x572	1110x650x895	20.0	10 12 91790
Systec Mediaprep-120	162	500	790	136.1/120	480x752	1240x650x895	20.0	10 12 91820

Power supply for **Systec** Mediaprep-10: 220-240 V, 50/60 Hz, 16 A

Power supply for **Systec** Mediaprep-20 and 30: 380-400 V, 50/60 Hz, 16 A

Power supply for **Systec** Mediaprep-45, -65, -90, and -120: 380-400 V, 50/60 Hz, 32 A

Modification to other voltage available on request

Prices for Systec mediapreparators, options and accessories available on request

