



MediPrep Series

Media preparation for up to 16 l



ERWEKA

part of **VERDER**
scientific

The highlights of the MediPrep Series

With the MediPrep 1622, up to 16 liters of release media can be quickly and easily prepared for dissolution tests in less than 25 minutes - precisely tempered, mixed, degassed and metered in a gravimetrically controlled manner. The media preparation is conform to USP/EP guidelines and is correctly documented according to GLP / GMP guidelines. Foaming media such as SDS (Sodium Dodecyl Sulfate) can also be used. Filling takes place either via the integrated dosing port or for direct filling in the release bath via a dosing hand. The MediPrep 1622 also offers two additional inlets via which concentrates can be mixed / diluted.

Up to 3x faster than manual media preparation*

The devices of the MediPrep family allow up to 3x faster media preparation in comparison to a manual approach. Even better - while MediPrep does all the media preparation on its own, the laboratory employee can focus on other more important tasks, thus increasing productivity.

100%

100 % USP / EP
compliant filling



GLP / GMP compliant
documentation

SDS

Up to 14 l 1 % SDS-con-
taining medium with
MediPrep 1622



Memory for 50 users with
three different access
levels



Memory for 100
methods



*compared to manual media preparation



Complete GLP / GMP documentation

The ERWEKA MediPrep logs all important information according to GLP / GMP standards that arise during media preparation and can easily assign the data to a batch ID on the report.

Highly precise filling

Thanks to gravimetric filling, the MediPrep works with the highest precision that the user can always rely on.

Integrated cleaning procedure

Thanks to the integrated cleaning procedure, the MediPrep can automatically clean the built-in media container and all tubing. This leaves no residues and the user can easily prepare the next medium without wasting time.



Considerable time saving thanks to **Fully automatic media preparation**

The devices of the MediPrep series work up to 3x faster in media preparation compared to manual preparation by the laboratory employee. And the best thing about it - it runs fully automatically. The laboratory worker can therefore carry out other activities while the MediPrep manages media preparation on its own.

Filling of 250 ml with MediPrep 1622

With a 1% filling accuracy for volumes ranging from 500 ml to 2000 ml, there are instances where measurements for 250 ml do not meet specifications. To ensure a properly filled vessel with 250 ml, we recommend adding at least one additional vessel in the MediPrep filling method. If the filling does not fall within the specified accuracy, the excess volume should be discarded.



Versatile expandable

The optional accessories for the MediPrep

The devices of the MediPrep Series can be used in a variety of ways for the customers' needs.

- MediPrep 1622 with two additional inlets for concentrates/mixing media
- Remote dosing hand for direct filling into dissolution tester
- Optional extension to 3.5 metres
- Pressure reducing valve for direct connection of DI-water if > 5 bar
- MT 50l (50 l volume net) storage container for media
- MT 100l (100 l volume net) storage container for media
- Rack for 3 vessels
- Calibration weights (2.0 kg, 5.0 kg, 10.0 kg)
- IQ/OQ documents, IQ/OQ service
- Digital thermometer, certified
- Digital manometer, certified
- Printers



Specifications

Type of device	MediPrep 820	MediPrep 1622
Max. volume inside tank	8 liters	16 liters
Min. volume inside tank	2 liters	
Functions	Vacuum degassing, heating, gravimetric filling	Mixing, diluting, vacuum degassing, heating, gravimetric filling
Pharmacopeia conformance	USP, EP	
Inlet for premixed media	1 Inlet for media from external source	1 Inlet for media from external source, 2 inlets for concentrates
Outlet for residual or waste medium	✓	
Remote dosing hand	Optional	
Control	Touchpanel 7"	
Common aqueous media at least 2 l	✓	
Time needed for media preparation	≤ 15 minutes for 8 l (depending on the degassing time)	≤ 24 minutes for 16 l (depending on the degassing time)
Mixing accuracy	Mixing not possible	≤ 1 % with a ratio of concentrate to water 1: 9 to 1: 1 (m / m)
Handling of foaming media (SDS)	Up to 1 % solution at max. 6 l	Up to 1 % solution at max. 14 l
Dosing volume, accuracy	≤1% for 250 to 1000ml	≤1% for 500 to 1000ml
Weighing accuracy	≤ 0,1 % at 2 kg	
Heating temperature, accuracy	Max. 50 ° C, ± 0.2 ° C	
Degassing pressure, accuracy	≤ 200 mbar, ±10 mbar	
Product memory	Ma x. 100	
User memory	Max. 50 users, password-protected access	
Interfaces	USB-A for printer, RS-232 interface for firmware	
Dimensions (height x width x depth)	675 x 354 x 635 mm	692 x 367 x 645 mm
Weight	36 kg	41 kg
Power supply, safety fuses	115 V or 230 V, 50/60 Hz, 2x15 A	

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Technical specifications for described products stated without warranty and subject to change at any time without further notice. v.1.7.6.24

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