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MEDIA PREPARATION

## MEDIPREP SERIES

[www.erweka.com/products/dissolution-testers/media-preparation/mediprep/](http://www.erweka.com/products/dissolution-testers/media-preparation/mediprep/)

## MEDIPREP SERIES

# MEDIA PREPARATION

The MediPrep 820 series offers quick and easy preparation of up to 8 liters of dissolution media in less than 15 minutes. The MediPrep 1622 takes just 25 minutes to prepare dissolution media – three times faster than manual preparation according to USP.

The media for dissolution tests can be precisely mixed, heated, degassed and gravimetrically filled into vessels in a single pass. Foaming media such as SDS (Sodium Dodecyl Sulfate) can also be used.

Filling can be carried out via the integrated dosing connection or directly into the containers using the optional remote filling hand.

Additionally, the MediPrep 1622 has two inlets for premixed media and an outlet for waste water. An automatic cleaning process is integrated to prevent cross-contamination.



With a filling accuracy of 1 % for volumes 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 to the MediPrep 1622 filling method. If the filling is not within the specified accuracy, the excess volume should be discarded.



### MEDIPREP VIDEO

[www.erweka.com/files/447650/mediprep.mp4](http://www.erweka.com/files/447650/mediprep.mp4)

FLEXIBLE DEVICE FOR DIFFERENT USE CASES

## PRODUCT HIGHLIGHTS



**100%**

### **100% USP / EP / JP COMPLIANT**

Quick preparation and filling conform to USP, EP and JP

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**8L**

### **8 LITERS MEDIA FOR DISSOLUTION TESTS**

Preparation according to USP/EP/JP guidelines

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### **INTEGRATED TOUCHSCREEN CONTROL**

With features for full documentation of the media preparation

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### **AUTOMATIC CLEANING**

Automatic cleaning procedure of container and tubings

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### **MEMORY CAPACITY**

Storage capacity for up to 100 media preparation methods

## MEDIPREP SERIES

# OPTIONS

- |                                                                         |                                                                            |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------|
| MediPrep 820 with no additional inlet for concentrates / prepared media | MediPrep 1622 with two additional inlets for concentrates / prepared media |
| Remote dosing hand for direct filling into dissolution tester           | Pressure-reducing valve for direct connection of DI-water, if > 5 bar      |
| MT 50 (50 liter volume net) storage container for media                 | MT 100 (100 liter volume net) storage container for media                  |
| Rack for 3 vessels                                                      | Residual oxygen measuring device                                           |
| Calibration weight, 10.0 kg                                             | Calibration weight, 2.0 kg                                                 |
| IQ / OQ documents                                                       | Digital thermometer, certified                                             |
| Digital manometer, certified                                            | Printer                                                                    |

## MEDIPREP SERIES

# MEDIA PREPARATION IN PRACTICE



Filling



Filling hand



Dosing hand

## MEDIPREP SERIES

## TECHNICAL DATA

|                                     |                                                                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                              | 36 kg (MediPrep 820)<br>41 kg (MediPrep 1622)                                                                                                     |
| Dimensions (H x W x D)              | 675 x 354 x 635 mm (MediPrep 820)<br>692 x 367 x 645 mm (MediPrep 1622)                                                                           |
| Voltage                             | 115 V or 230 V, 50/60 Hz                                                                                                                          |
| Interfaces                          | USB-A for printer, RS-232 interface for firmware                                                                                                  |
| Fuses                               | 2x15 A                                                                                                                                            |
| Max. volume inside tank             | 8 liters (MediPrep 820)<br>16 litres (MediPrep 1622)                                                                                              |
| Min. volume inside tank             | 2 liters                                                                                                                                          |
| Functions                           | Vacuum degassing, heating, gravimetric filling (MediPrep 820)<br>Mixing, diluting, vacuum degassing, heating, gravimetric filling (MediPrep 1622) |
| Pharmacopeia conformance            | USP, EP                                                                                                                                           |
| Inlet for premixed media            | 1 Inlet for media from external source (MediPrep 820)<br>1 Inlet for media from external source, 2 inlets for concentrates (MediPrep 1622)        |
| Outlet for residual or waste medium | yes                                                                                                                                               |
| Remote dosing hand                  | Optional                                                                                                                                          |
| Control                             | Touchpanel 7"                                                                                                                                     |
| Common aqueous media at least 2 l   | yes                                                                                                                                               |
| Time needed for media preparation   | ≤ 15 minutes for 8 l, depending on the degassing time (MediPrep 820)<br>≤ 24 minutes for 16 l, depending on the degassing time (MediPrep 1622)    |
| Mixing accuracy                     | Mixing not possible (MediPrep 820)<br>≤ 1 % with a ratio of concentrate to water 1: 9 to 1: 1 (m / m) (MediPrep 1622)                             |
| Handling of foaming media (SDS)     | Up to 1 % solution at max. 6 l (MediPrep 820)<br>Up to 1 % solution at max. 14 l (MediPrep 1622)                                                  |
| Dosing volume, accuracy             | ≤1% for 250 to 1000 ml (MediPrep 820)<br>≤1% for 500 to 1000 ml (MediPrep 1622)                                                                   |
| 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                      | Max. 100                                                                                                                                          |
| User memory                         | Max. 50 users, password-protected access                                                                                                          |

# MEDIPREP SERIES

## CONTACT US →

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## REQUEST A QUOTE →

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