

Two times perfect.

We are combining sampling and dilution, not only to save time but also to improve precision.

**PHARMA
TEST****DSR-M**

Dissolution Sampling
Robot

**Advantages**

- › Automate the most labor intensive stage of a dissolution test
- › Flexible, modular & bench space saving design
- › Auto media refill, dilution and transfer into sealed vials possible
- › CAT-MRM module with no separate refilling tubing

The DSR-M automated dissolution sampling robot is specifically designed for sample transfer and sample processing from a 6 to 8 or a 12 to 13 vessel dissolution bath. DSR-M allows collection, dilution and/or processing samples over very short time intervals.

The DSR-M is the first system to be equipped with high precision valve-free piston pumps. The DSR-M features two collection racks. Each rack has the capacity to store up to ten sampling cycles. In case dilution is enabled, the first rack is used for collecting and the second rack for sample processing. The innovative rack design makes it possible to use the same racks for standard open vials as well as for septa sealed HPLC vials. For media replacement, the CAT-MRM module is used and eliminates the need for separate refilling tubing lines compared to conventional offline systems.



Specifications of the DSR-M

- › Supports up to 20 sampling cycles (10 cycles with dilution)
- › Features integrated valve-free piston pumps for high precision
- › All moving parts are behind transparent enclosure to guarantee user safety
- › Small footprint due to auto sampler design with integrated pump module
- › Modular design to allow auto media refill, dilution and transfer into sealed vials for six to twelve station dissolution baths
- › Sampling sequences are programmed directly at the Pharma Test dissolution bath
- › Stand-alone mode available to support third party dissolution baths



Further information is available at
www.pharma-test.com/dsr-m

Up to twenty sampling cycles can be run automatically. In case additional filtration besides the sinter filters on the sampling probes is required, we offer the MFC-12 manual filter changer. Optionally the instrument can be equipped with an injection port. Using this port samples can be injected into the cuvette of a connected spectrophotometer or HPLC valve. All necessary sample handling information, such as dilution factor, sample transfer into empty septa closed vials is directly entered at the DSR-M using the integrated keypad. The programming is displayed clearly on the back lit LCD screen. The actual timing of the sampling sequence is controlled by the connected Pharma Test dissolution bath. No additional PC software is required to use the DSR-M. The instrument is contained in a clear view Plexiglas enclosure.

Options

- › Available as 8 position DSR-M8 and 13 position DSR-M13
- › CAT-MRM module for auto media refilling
- › CAT-DM module for dilution of samples
- › MFC-12 manual filter changer and DSR-MSV valve station for HPLC suitable filtration
- › Injection port for connected spectrophotometer or HPLC system