

Technical data sheet

Automatic Dissolution Sampling System

PT-DSS collects filtered dissolution samples and replenishes an equal volume of medium. Eight- and twelve-channel configurations support compatible dissolution instruments; confirm the channel count and interface before selecting the system.

Key features

- Syringe-driven sampling with first-filtrate discard and retained-sample distribution
- Equal-volume medium replenishment
- Three access levels, seven users and audit records

Technical Information

Sampling channels	8 or 12, configuration dependent
Sampling events	16
Sample volume per event	1-15 mL
Sampling interval	1 min-999 h 59 min
Between-channel consistency	RSD $\leq$ 1%
Repeatability	RSD $\leq$ 0.5%
Syringe volume	26 mL
First-filtrate volume	0-10 mL

Configuration and operating details

The fluid path supports filtration, sample collection, medium replenishment and rinsing before and after filtration. A 10 µm column prefilter and 25 mm cellulose Luer filters with 0.45 or 0.8 µm pores are listed; confirm filter compatibility with the medium.

Precision and speed operating modes are described. RS232, RS485 and network interfaces are listed; wireless options require configuration confirmation. Access management lists three levels and seven users. Audit-record capacity is stated as 128 records × 366 days; confirm retention, export and supplied software behavior. These functions do not establish regulatory certification.

Collection-container information is inconsistent: capped 10 mL tubes are described while the specification table lists 15 mL tubes; 2 mL and 10 mL vials are also mentioned. Confirm the exact rack, container and usable volume before ordering. The optional 30 mL collection range requires confirmation of the collection sequence and hardware; it must not be interpreted as a 30 mL syringe.

Standard Configuration

The described configuration uses syringe-driven sampling and 10 mL capped collection tubes. Confirm the supplied filters, tubing, tube quantity and dissolution-instrument interface for the selected channel configuration.

Optional Accessories

Optional 2 mL or 10 mL capped vials and an extension of sampling volume to 30 mL are described. Confirm the matching collection vessels and hardware; wireless or additional communication interfaces require configuration confirmation.

Applications

Timed sample collection during dissolution testing, with filtration and medium replacement. Confirm filtration recovery and sample stability for the actual formulation.

Selection / Ordering Information

Provide the dissolution-instrument interface, vessel count, sample volume, schedule, filtration requirements and vial format. Do not assume universal compatibility or regulatory compliance from audit-trail functionality alone.

Review the configuration with PRECETTA before ordering.