

Thermo Scientific Cytomat 10 Hotel

High speed automated ambient storage
and incubation

Maintaining ambient conditions during the transfer of microplates to/from automated systems and ambient storage/incubation, is essential to ensuring viability and therefore reproducibility. Automated workflows need to be set-up in a way which enables cells to be maintained in their ideal conditions during loading/unloading of labware, as well as during high throughput screening and liquid handling protocols. The Thermo Scientific™ Cytomat™ 10 hotel provides a reliable, high throughput method of workflow automation, with outstanding access times.



Access plates faster

- Fastest random access carousel in its class (5-9 secs)
- Higher throughput provided

Easy to use

- SILA compliant
- Single design for above- and under-bench
- Compatible with standard Cytomat interface commands

Outstanding reliability

- up to 280 microplate capacity (10 stacker) with validated microplate locations
- Integrated barcode reader (option)

Highly versatile

- Accommodates different microplate design
- Choice of locations/transfer positions
- Dual access points
- Individual application speed setting per microplate

The Cytomat 10 Hotel is a high speed, automated ambient storage and incubation module for microplates or microplate sized boxes, which is designed for integration into automated systems. As a next generation high capacity storage solution, the Cytomat 10 Hotel houses up to 10 stackers (up to 280 microplates) on a turntable. An integrated plate shuttle system picks the microplate at the transfer station and places it into one of the stackers; either at a dedicated position or at random (dependent on the command selected). The handling speed per microplate is individually adjustable (individual speed setting). The positive plate determination sensor validates the microplate location inside the stacker, even if the barcode has not

been read/recognized by the barcode reader. Users can always be confident that the correct micro plate has been picked.

Providing the fastest random access times currently available, higher throughputs are facilitated. The module is compatible with standard Cytomat interface commands, and for faster integration and ease of use, the module is Standardization in Lab Automation (SILA) compliant.

Providing versatility, with both access points and transfer positions, in a high capacity single design for above- and under-bench, the Cytomat 10 Hotel delivers reliable sample storage at ambient temperatures. Automating your workflow just got a lot simpler.

Specification

Under bench ready

Up to 280 Microplates capacity - random access of 5 to 9 sec

Multiple choice of transfer position

Up to two access points (270° arrangement)

Individual application speed setting

Order Number

Cytomat 10 Hotel B1 100-230 50143210

Cytomat 10 Hotel PH B1 100-230V (Option: Perspex housing) 50139108

Standard Options

Barcode Reader on handler 50130718

SiLA Interface 50143121

Transfer Station Options

Standard transfer station with sensor for plate detection 50136244

90° CW (Clockwise)-turn able transfer station, with sensor for plate detection 50137146

90° CCW (Counter Clockwise) -turn able transfer station, with sensor for plate detection 50143225

180° turn able transfer station with two positions and sensors for plate detection 50137147

300mm linear moving transfer station, with sensor for plate detection 50139596

400mm linear moving transfer station, with sensor for plate detection on request

500mm linear moving transfer station, with sensor for plate detection on request

Stacker Options

Plate Type	Stacker Version	Max. Plate Height	Capacity	Order Number
1536 well-plates	Stacker P17	12 mm	280	50081736
96 or 384 well-plates	Stacker P23	18 mm	210	50082829
Transwell or insert plates	Stacker P33	28 mm	150	50083260
Deep well-plates	Stacker P50	45 mm	100	50083261
Tip boxes	Stacker P69	64 mm	70	50083262

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