

Thermo Cytomat24 Hotel



Manufacturer: Thermo Fisher Scientific
 Model Number: Thermo-Fisher-Cytomat24
 Web Address: www.thermo.com

Thermo Scientific Cytomat 24 Hotels provide robot-friendly ambient storage for 504 standard microplates, and can be easily integrated into any automated assay system. The Thermo Scientific Plate Shuttle system loads and unloads plates to a single location. This single point of integration saves time during installation and operation because the robot only needs to be taught one position for plate retrieval. Microplates can be randomly accessed in less than 30 seconds, and the Plate Shuttle system can handle all standard microplate formats including tip boxes. A built-in barcode reader can scan barcodes at any plate position inside the Hotel. This minimizes plate movement and provides superior sample and plate tracking. Based on the Plate Shuttle technology of our automated hotels, the system operates reliably at any ambient condition.

Hotel: Commands

▶ **Reset()** - Reset the hotel.

▶ **Reinitialize()** - Reinitialize the hotel.

▶ **MoveMotors()** - Move all the motors to the wait position.

▶ **SwapTransferStation(position)** - Swap the transfer station to the specified position.

position	Integer	Specifies the position of the transfer station. Range of values: 1 to 2.
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▶ **UnloadPlate(location)** - Retrieve microplate from indicated storage location, open automatic lift door, move microplate to transfer station, close automatic lift door.

location	Integer	Specifies the location of the plate. Range of values: 1 to 504.
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▶ **LoadPlate(location)** - Open automatic lift door, retrieve microplate from transfer station, close automatic lift door, place microplate at indicated storage location.

location	Integer	Specifies the location of the plate. Range of values: 1 to 504.
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▶ **LocationScan()** - Scan all the locations in the hotel.

▶ **IsAtLocation(location)** - Verify if the specified location contains the microplate. The command must be called after the location scan command.

location	Integer	Specifies the location of the plate. Range of values: 1 to 504.
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▶ **GetOverviewRegister()** - Retrieve the value from the overview

register.

▶ **GetWarningCode()** - Retrieve the value from the warning register.

▶ **GetErrorCode()** - Retrieve the value from the error register.

▶ **ResetError()** - Reset the error register and the error bit in the overview register.

Hotel Error

🔥 **HotelError(alarmMessage)** - Error occurred during command execution.

alarmMessage	String	Error message for the instrument
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