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Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-tg.com

The New Cytomat[®] 2 Automated Incubator

Environmental Expertise for Your Assays

- Extremely uniform environmental conditions for all microplates
- Excellent parameter stability virtually eliminating recovery times
- Minimized evaporation from microplate wells, reducing assay variance



The New Cytomat[®] 2 Automated Incubator – Environmental Expertise for Your Assays

The innovative Cytomat 2 provides extremely stable environmental conditions. Designed to reduce assay variance, Cytomat 2 virtually eliminates recovery times.

Environmental Expertise

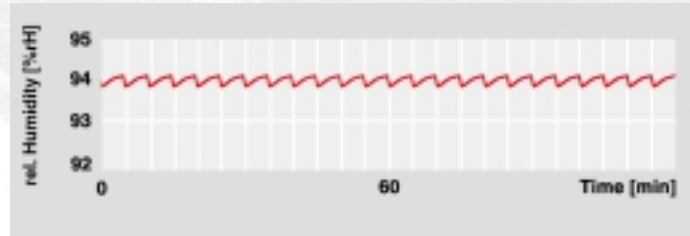
- Uniform temperature, humidity and CO₂ conditions for all 42 microplates reduces assay variance.
- Excellent parameter stability during loading and unloading at 37 °C, with less than 0.05 °C and 0.6 % rH fluctuation (see graphs). This extremely stable environment virtually eliminates recovery times.
- The specially designed water reservoir and new stackers with ventilation slots minimize evaporation from the microplate wells, thereby reducing assay variance. In addition the stackers allow autoclaving and dry heat sterilization at 180 °C.

Ease of Integration

- The specially designed Plate Shuttle System™ and access door can handle all standard microplate formats, including deep-well plates. Onsite re-configuration of microplates is possible with a simple to use installation software.
- The transfer station is adjustable on the x/y/z axes, and offers a single point of integration.
- Windows based software allows straight-forward and flexible programming, increasing operational reliability.
- Designed to provide a high level of user flexibility, Cytomat 2 fits into all automated assay systems.

Options

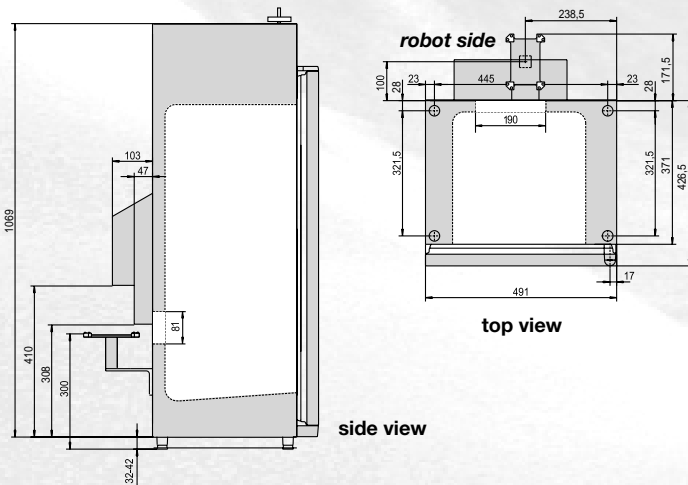
- CO₂-Control (0 to 20 %) with a new CO₂ sensor
- Adjustable transfer station
- Stackers for different microplates
- 100 V and 120 V version
- Further options available on request



Extremely stable conditions

Humidity and temperature stability during a continuous loading and unloading cycle over a 2 hour period. Set values are 94% rH and 37°C, automatic gate opening every 5 minutes for 10 seconds.

Dimensions [mm]



Technical Data

Model	Cytomat 2 C	Cytomat 2 C70
Temperature range	T _A +8 to 50 °C	T _A +8 to 70 °C
Temperature accuracy* temporal/spatially	± 0.1 °C / < ± 0.5 °C	± 0.2 °C / < ± 1 °C
Humidity, constant	max. 95 % rH	max. 95 % rH from T _A + 8 to 50 °C ≥ 85 % rH from + 50 to 70 °C
Microplate capacity	up to 42 standard (SBS) 96- or 384-well microplates up to 18 deep-well plates	
Access time	maximum 20 seconds	
Access mode	random access of individual plates	
Interface	RS 232	
Rated voltage	1/PE AC, 230 V 50/60 Hz	
Rated power	0.7 kW	
Exterior dimensions	W/D/H in mm 491 / 530 / 1119 inches 19.3 / 20.9 / 44.1	

* in accordance to DIN 58 945
T_A = Ambient Temperature

For Ordering or Technical Information

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