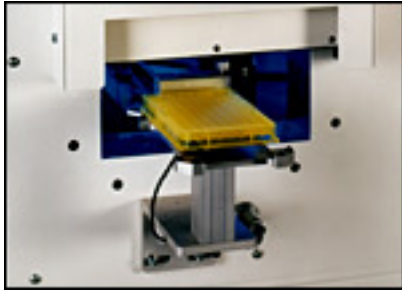


HTS Solutions



Based on a 30 year history in CO₂ incubator technology, in 1995 Kendro introduced the unique Heraeus® cytomat® product range of robot accessible, automated incubators and storage systems designed for HTS in drug discovery - The lead in High Throughput Screening.

CYTOMAT

The cytomat® product family successfully addresses the three most important issues for robot accessible incubators and storage systems in HTS:

- **Superior environmental control** of temperature, humidity and gaseous atmospheres for CO₂, O₂ and N₂ as well as quick recovery times minimizing atmosphere disruption. This results in more consistent samples, highly reproducible results and increased productivity.
- **Ease of integration** with the incorporated Plate Shuttle™ System for internal x/y/z axis movement and a transfer station as the single point of integration. This improves cost effectiveness, planning reliability and system reliability.
- **Reliable standard and customized solutions** for more reliable products, service and improved integration. The cytomat product family provides a full range of options and accessories.

Each model is equipped with:

- A unique tiny automatic access door for quick recovery times (with the exception of the hotel)
- The Plate Shuttle System for internal x/y/z axis movement with random plate access
- A transfer station as the single point of integration
- Nine removable stackers providing a capacity 189 microplates for 96 or 384 well-plates

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cytomat® 6000 - HTS Incubator with Plate Shuttle™ System



- ▶ **Temperature range:** TA +10°C to 50°C
- ▶ **Humidity:** > 95% RH
- ▶ **CO2 Control:** 0 to 20 %
- ▶ **Capacity:** 189 microplates for 96 or 384 well-plates
- ▶ **Access Time:** 35 s
- ▶ **Automatic Access Door W/H:**
200/130 mm
7.9/5.1 inch
- ▶ **External dimensions:** W/H/D:
895/860/810mm
35.2/33.8/31.9 inch

cytomat® 6001 - HTS Incubator with Plate Shuttle™ System



- ▶ **Temperature range:** +10°C to 50°C, with thermostat
- ▶ **Humidity:** > 90 %RH
- ▶ **CO2 Control:** 0 - 20 %
- ▶ **Capacity:** 189 microplates for 96 or 384 well-plates
- ▶ **Access Time:** 35 s
- ▶ **Automatic Access Door W/H:**
200/300 mm
7.9/5.1 inch
- ▶ **External dimensions:** 895/860/810 mm
35.2/33.8/31.9 inch

Products ...


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cytomat® 6000 - HTS Incubator with Plate Shuttle™ System



The cytomat 6000 has a total volume of 7.8 cu.ft. (220 l) and a smooth stainless steel inner casing with rounded corners.

The patented air jacket heating system, a direct heated water reservoir and the tiny automatic access door combine to ensure stable environmental conditions and fast recovery times. This is especially important during the loading and unloading process. The cytomat 6000 offers a temperature range from 10°C over ambient (TA + 10°C) to 50°C.

A large maintenance entrance provides easy access to the inside of the unit, to the incorporated Plate Shuttle System and the carousel with nine removable stainless steel stackers.

See News and Information for details on the Plate Shuttle System.

The cytomat 6000 is equipped with an automatic start-up function called auto-start. It also offers the unique auto-zero function, a patented self-balancing CO₂ control system that ensures constant, long-term stability of CO₂ levels and in turn more stable pH values in the culture media which is important for cell-based assays.

Areas of application:

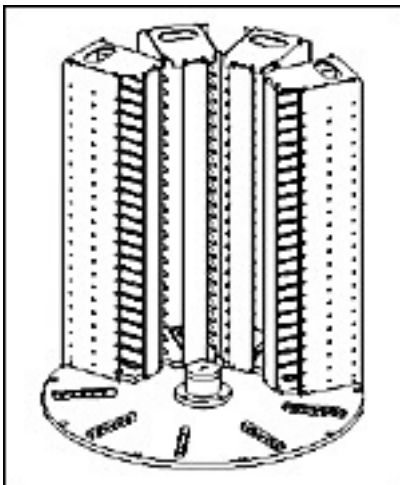
- ▶ Incubation of cell-based assays e.g. CaCo-2
- ▶ Incubation of protein detection assays such as ELISA
- ▶ Branching assays for mRNA detection

Technical data:

- ▶ Temperature range
TA +10°C to 50°C
- ▶ Humidity
> 95% RH
- ▶ CO₂ Control
0 to 20 %
- ▶ Capacity
189 microplates for 96 or 384 well-plates
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200/130 mm
7.9/5.1 inch
- ▶ External dimensions
W/H/D:
895/860/810mm
35.2/33.8/31.9 inch

Heracelus

Available Stackers:



Pitch	Type of Microplate	Capacity per unit
17 mm	1536-well plates	261 microplates
23 mm	384-well plates	189 microplates
23 mm	96-well plates	189 microplates
33 mm	24-well insert plates	126 microplates
50 mm	deep-well plates	81 microplates
60 mm	deep-well plates	63 microplates

For a complete list of options and accessories [ask for our brochures](#).

Options:

- O2/N2-control
- Sensors for plate detection on transfer station
- Turnable transfer station
- Barcode scanner
- Linear carousel shaker function
- Deep-well plate handler
- Automatic access door and transfer station on the right side
- UHS Version (access time max. 20s)

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Products ...


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cytomat® 6001 - HTS Incubator with Plate Shuttle™ System



The cytomat 6001 has a total volume of 7.8 cu.ft. (220 l) and a smooth stainless steel inner casing with rounded corners. The patented air jacketed heating system, a direct heated water reservoir and the tiny automatic access door combine to ensure stable environmental conditions and fast recovery times. This is especially important during the loading and unloading process.

To achieve the specified temperature range of +10°C to +50°C the cytomat 6001 is prepared to be connected to an external thermostat.

A large maintenance entrance provides easy access to the inside of the unit, to the incorporated Plate Shuttle System and the carousel with nine removable stainless steel stackers. See News and Information for details on the Plate Shuttle System.

The cytomat 6001 is equipped with an automatic start-up function called auto-start. It also offers the unique auto-zero function, a patented self-balancing CO₂ control system that ensures constant, long-term stability of CO₂ levels and in turn more stable pH values in the culture media which is important for cell-based assays.

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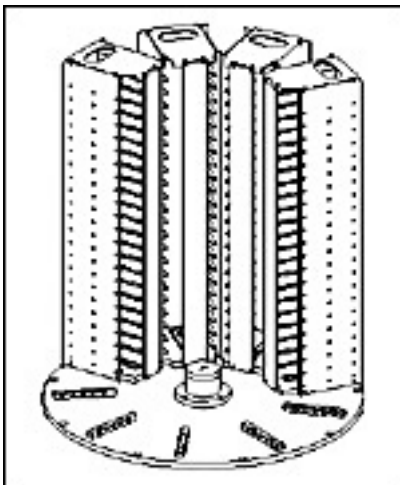
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