

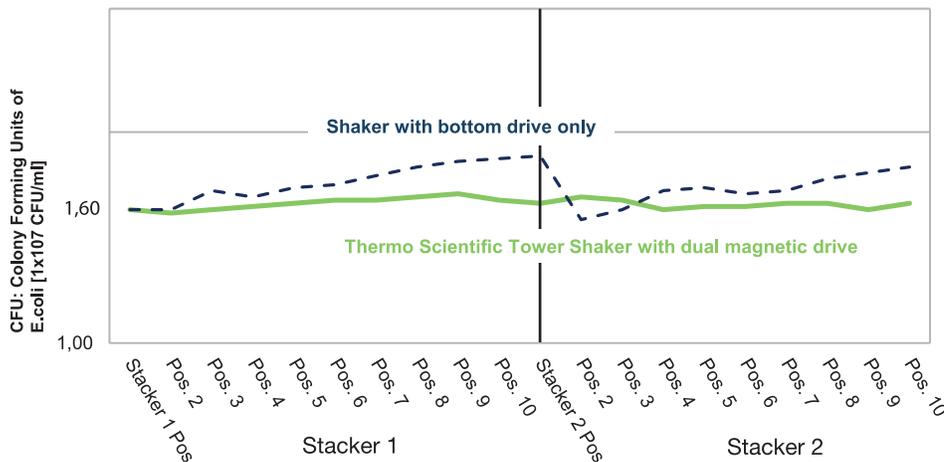


# Advanced shaking solutions

for Thermo Scientific™ Cytomat™ 2  
automated incubators and storage systems

**The Thermo Scientific™ Cytomat™ Tower Shaker is the only solution that provides true orbital shaking. It is ideal for applications requiring sample agitation and cells that need to be kept in suspension.**

The synchronized dual magnetic drive system (located at the bottom and top) ensures consistent shaking amplitude across all microplates without having any influence of load, position or number of plates.



**Bacterial growth consistency over the entire two Stacker (bottom to top) of the Tower Shaking option**

The graph shows optimum bacterial growth with the dual magnetic drive system across all plates (green line; standard deviation 2.7%). In comparison, the technology with only bottom drive shaking reveals inconsistent actual growth (standard deviation 10.1%).

## Key Applications

- Cell Culture (Mammalian)
- Microbial Culture
- Genomics
- Luminex (ELISA, Biomarkers)

## Markets

- Drug Discovery
- Life Science Research
- Diagnostics

## A product range for many applications

- Easy 3 step setup of Tower Shaker install/secure by lock screw to the ceiling/plug-in for communication
- Active microplate clamp mechanism secures plate and lid separately; no abrasions of the microplates during shaking
- Mix and match standard and Tower Shaker stacker for maximum flexibility for assay adoption
- Inductive wear-free driving mechanism allows for no particle emission or belts to change
- Superior shaking technology with individual speed settings of each Tower Shaker from 100-1200 rpm with oscillating amplitude of 2 mm (3 mm option available) offers a wide range of application setups

### Cytomat Order Numbers

Product	Stacker Version
Cytomat 2 C450-LIN ToS, 230V	50122537
Cytomat 2 C450-LIN ToS, 120V	50124892
Cytomat 2 C470-LIN ToS, 230V	upon request
Cytomat 2 C470-LIN ToS, 120V	50126933
Cytomat 2 Hotel, ToS, 100-230V	50111434

### Shaking Options

(100-1200 rpm, orbital shaking with a max. load of 850 g per position)

Product	Part No.
Tower Shaker P23 16 microplate capacity, 1 mm amplitude (2 mm oscillation amplitude)	50107700
Tower Shaker P27 13 microplate capacity, 1 mm amplitude (2 mm oscillation amplitude)	50122160
Tower Shaker P50 7 micorplate capacity, 1 mm amplitude (2 mm oscillation amplitude)	50118421
Tower Shaker P23, 3 mm Customized, 16 microplate capacity, 1.5 mm amplitude (3 mm oscillation amplitude)	50129388
Tower Shaker P27, 3 mm Customized, 13 microplate capacity, 1.5 mm amplitude (3 mm oscillation amplitude)	50138322
Tower Shaker P33 Customized, 11 microplate capacity, 1 mm amplitude (2 mm oscillation amplitude)	50127680
Tower Shaker P40 Customized, 9 microplate capacity, 1 mm amplitude (2 mm oscillation amplitude)	50133660
Tower Shaker P60 Customized, 6 microplate capacity, 1 mm amplitude (2 mm oscillation amplitude)	50126934

### Options for Cytomat Shaker 2 C450/C470-LIN ToS

Product	Part No.
O <sub>2</sub> Control O <sub>2</sub> control to minimize oxygen level with N <sub>2</sub> supply, 1-21 Vol%	50137130
GT Gate top (seen from robot side)	50144992
DL Door left hinged	50137140
CU Inner chamber made of copper	50137139
UB Under-bench version. Ask your sales representative for further details	upon request

### Accessories for Cytomat Shaker ToS

(Please specify 2 pieces of the stacker options)

Product	Part No.
BCR C2 1D-Barcode reader on handler of PSS	50123106
Transfer Station Transfer station for C2, with sensor for plate detection	50070711
90° Transfer Station 90° CW (Clockwise) - turnable transfer station for C2, with sensor for plate detection	50074585
90° Transfer Station 90° CCW (Counter Clockwise) - turnable transfer station for C2, with sensor for plate detection	50125928
Swap Station 180° turnable transfer station with two positions for C2, with two sensors for plate detection	50072392
Plate Lift Plate Lift for under-bench version. Ask your sales representative for further details	upon request
Linear Station 300 300 mm linear moving transfer station, with sensor for plate detection	50075523
Linear Station 400 400 mm linear moving transfer station, with sensor for plate detection	50079463
Linear Station 500 500 mm linear moving transfer station, with sensor for plate detection	50079742

Find out more at [thermofisher.com/Cytomat](http://thermofisher.com/Cytomat)