



# TubeSpin® Bioreactor

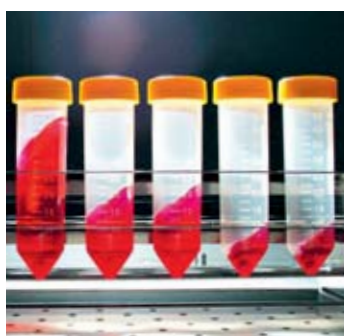
## Tissue Culture System for Suspension Cultures



Openings in screw cap.



TubeSpin® Bioreactor 50 and TubeSpin® Bioreactor 600.



Shaker with TubeSpin® Bioreactor 50.



Racks filled with TubeSpin® Bioreactor.



### TubeSpin® Bioreactor 50

- System for high throughput screening and optimisation processes of suspension cells.
- Flexible working volume of 5 – 35 ml.
- Gas exchange through the 5 openings above the gas permeable sterile PTFE filter in the screw cap.
- Fits standard 50 ml centrifuge adapters.

### TubeSpin® Bioreactor 600

- System for moderate up-scaling and small productions.
- Recommended max. working volume is 400 ml at 170 – 200 rpm.
- Gas exchange through the 10 openings above the gas permeable sterile PTFE filter in the screw cap.
- Fits many 1000 ml rotors.

### Cultivation

- In suitable shakers at 37 °C.
- Optimal gas exchange through the openings in the screw cap.

### Water Balance

- Loss of water during long-term incubations can be minimized by closing one or several openings in the screw cap.

### Result Testing

- Examination of the cell volume with the PCV packed cell volume tube.
- Volume reading of cell pellet with the "easy read" measuring device.

### Support

- On [www.shakingtechnology.com](http://www.shakingtechnology.com) comprehensive information of shaken bioreactors is available.

Type	Product No.	Version	Volume	Dimensions	Material	Qty / Bag	Qty / Case
	87050	filter	50 ml	Ø 30 x 115 mm	PP	20	180
	87600	filter	600 ml	Ø 98 x 181 mm	PP	1	26
	87007	neutral	1 ml	Ø 10.5 x 43 mm	PS	50	150
	87010	"easy read" measuring device	0–5 µl	Ø 13.5 mm	Alu	1	1
Opening			A	B	C	D	E
87050	TubeSpin® Bioreactor 50		0.4 mm	0.6 mm	1.0 mm	1.5 mm	2.0 mm
87600	TubeSpin® Bioreactor 600		10 openings with size 4 mm				

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