

Bio Reactors, Landgraf

Bio-Reactor

Small fermenter for volumes from 2 to 20 l for the incubation of microorganisms and cells. With this reactor tests can be set up simply and quickly. You can achieve optimum aeration of aerobic cultures, as the magnetic stirrer comes with a central air vent. For the reactor's heat control, a heat exchanger can be added together with an external thermostat or cryostat (temperature range depends on thermostat) or for controllable heat using a stainless steel heat element (temperature range RT +5 to +50°C).

In the shoulder area of the jar and in the cover are access points for probes, sampling, ventilation and injection into the reactor. All parts which come into contact with the media are made of borosilicate glass, Teflon, polypropylene or stainless steel. The reactor can be autoclaved at 121°C. Both reactor and accessories are easy to clean via the wide-necked central aperture.

Article	Vol. l	Order No.
Bioreactor	2	88 67 20002
Bioreactor	5	88 67 20005
Bioreactor	10	88 67 20010
Bioreactor	15	88 67 20015
Bioreactor	20	88 67 20020

Accessories

Article	Order No.
Heat exchanger made of stainless steel	88 67 20012
for temperature control of the reactor using an external thermostat	
Thermostat with small volume	88 67 10040
Temperature control unit	88 67 10056
(controller, temperature sensor and stainless steel heating element)	
for temperature control of the reactor	
Magnetic stirrer	88 67 10057
for up to 20 l capacity	

