Product name:	Product code:
Continuous Stirred Tank Bioreactor	CMI-NP-0289



Description

A continuous flow bioreactor setup for studying steady state operation, residence time and washout of microbial cultures. Used in biochemical engineering practicals. Features include peristaltic feed and harvest pumps, level control and temperature controlled jacket.

Technical specification

Level control	Conductivity probe
Material	Borosilicate glass
Controller	Digital
Supply	230 V AC 50 Hz

Standard Accessories

- Feed bottle
- Tubing set

Feed is pumped in at a set rate while culture is removed at the same rate. Students find dilution rate and growth constants. Level and temperature are controlled automatically.

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Features

- Peristaltic feed and harvest pumps
- Level control
- Temperature controlled jacket
- Variable speed agitator
- Dilution rate experiments

Technical Specifications

Vessel volume	3 litres
Feed pump	Peristaltic 0 to 100 ml per min
Agitation	0 to 800 rpm
Temperature	Ambient to 50 deg C