

/BIOREACTORS

Multiple bioreactor

The Q-cell multiple bioreactor system from Imagene Technology (Hanover, NH) allows for side-by-side comparisons of four independent cultures for strain selection, media development, and culture optimization. The Q-cell can accommodate culture volumes from 300-1200 ml.

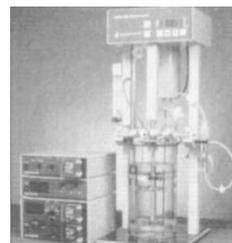
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Modular fermentor

New Brunswick Scientific's (North Mymms, U.K.) modular BioFlo 1000 fermentor system allows users to choose the components and accessories that fit their requirements for experimental modeling. It can be adapted for multiple-user situations involving the growth of bacterial, yeast, and fungal cultures, as well as continuous culture.

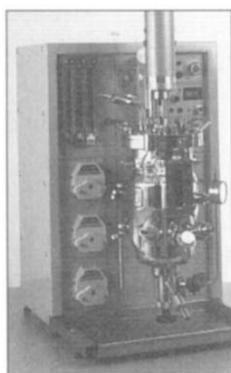
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Benchtop bioreactor

Applikon Dependable Instruments (Schiedam, the Netherlands) introduces the ADI 1065 Bio Bench range of steam-sterilizable bioreactors for laboratory use. The basic unit will accept a choice of three interchangeable bioreactors (7, 15, and 20 liters). Full documentation is supplied with the systems to facilitate validation.

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Benchtop fermentor

MoBiTec's (Göttingen, Germany) autoclavable 100-ml fermentor allows for precise temperature regulation. Each unit is supplied with a series of ports (each sealed by a heavy-duty screw top and a septum silicon washer), two air filters (for inflow and outflow), a magnetic stirrer bar, and sampling needles.

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Toxicity testing

Bioscience Inc. (Bethlehem, PA) introduces the expanded line of reactors for the BI-1000 electrolytic respirometer for automated toxicity testing, evaluation of biodegradability, and operations control for wastewater treatment.

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Sterile sampling

A new fitting for sterile sampling from bioreactors, introduced by bitop (Witten, Germany), is available for all current laboratory and pilot reactors. It prevents contamination of the reactor by foreign microorganisms during the sampling process.

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