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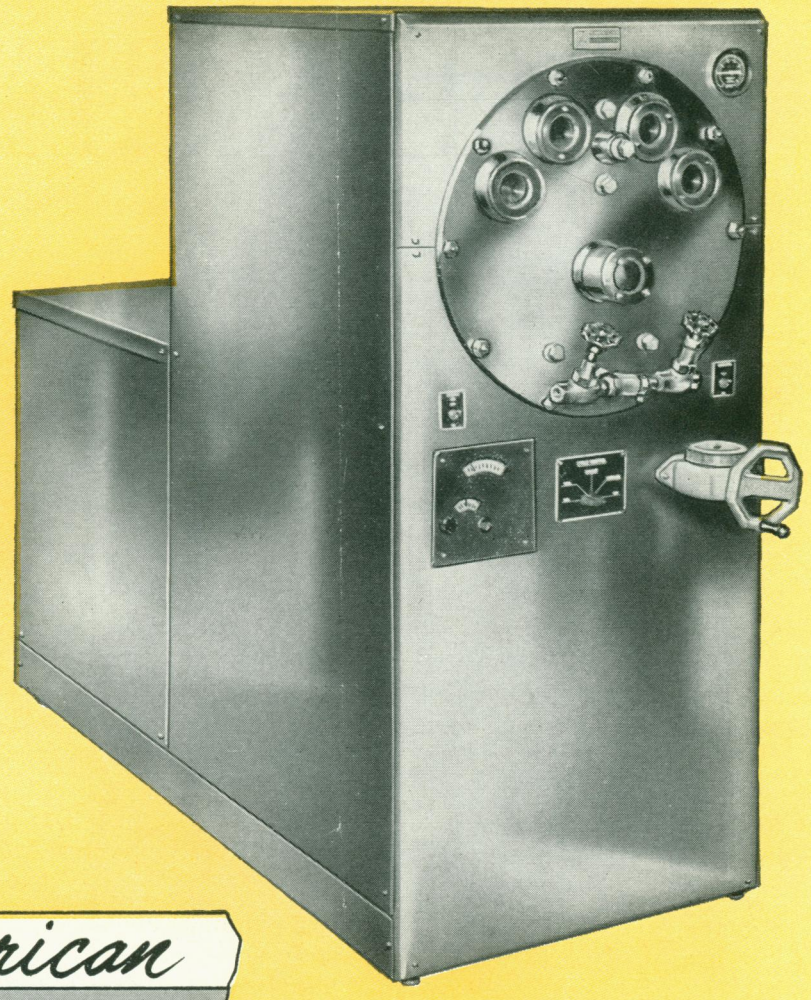

American BIOGEN

for CONTINUOUS CULTURE OF MICROORGANISMS . . . IN LARGE QUANTITIES

● Biogen is a completely new apparatus which produces extremely large quantities of specific microorganisms quickly, economically and continuously, under well defined conditions.

For the first time, vastly increased investigations requiring large populations of microbial cells become fully practical in such diverse fields as Bacterial Physiology, Enzymology, Genetics, Pharmacology, Fermentation Studies, and Virology (including Bacteriophage).

The Biogen is self-sterilizing and has complete controls on the front panel which govern the sterilization cycle, rotation of the multi-finned agitator and the temperature within the chamber. Chamber temperature is maintained at $\pm\frac{1}{2}$° C. within a range of 20° C. to 85° C. A filtered air intake provides sterile aeration of the medium within the chamber.

In a recent typical run, with *E. coli B* employing 1% glucose as the limiting growth factor, a maximum population of 1.68×10^{10}/ml. was attained. In 10 hours, on a continuous process, at a flow rate of 10 liters/hour, 14 grams/liter of wet weight cells were harvested. Total yield for the 10-hour run: 1400 grams.

Write for technical literature . . . Bulletin IC-605

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