

SPECIALIZED EQUIPMENT SPECIFICATIONS

Fenn R&D Institute (FRDI)

Fenn College of Engineering, Cleveland State University

Name: New Brunswick BioFlo 115 Bioreactor
Description/Use: growth of bacteria, fungi, algae
User fee: Call, Email
Fee basis: per time and batch
Contact Person: Prof. Joanne Belovich (216) 687-3502,
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(click for expertise)

DETAILED DESCRIPTION:

Bioreactor is fully instrumented with display screen for pH, dissolved oxygen, temperature, and agitation control. It can be operated in batch or continuous mode.

Autoclavable; two-gas feed; sterile sampling port; water-jacketed for temperature control; foam/level controllers. Lights available for algae growth.

OPERATION:

Trained graduate assistants or technicians will set up the system, collect and analyze samples. Experimental protocol can be adjusted to requirements.



SPECIFICATIONS:

Volume: 2-5.6 L.

Temperature range: room temperature to 70C