

Fermentation & Production Capabilities

MANUFACTURING SCALE

- 10,000L Fermentor
- 5,000L Fermentor
- 10,000L Fermentor (under construction)
- 2 x Continuous Centrifuges (10,350 x g)
- Flash freezer
- Freeze Dryer (455 sq ft shelving)
- Freeze Dryer (650 sq ft shelving)
- Off-site large scale Spray Drying
- Multiple freezer rooms
- Refrigeration room
- Pin and conical grinders
- 20 cu ft V-Blender
- 25 cu ft Ribbon Blender
- 90 cu ft Rotary Blender
- Various liquid blending tank sizes
- Water soluble packager
- Redundancy in:
 - Boilers
 - Water Chillers
 - Air compressors
 - Sterilizers
 - Electricity (back-up generator)
 - Buildings (culture storage separate from fermentation)

PILOT SCALE

- Shake flask and microtiter plate fermentation screening
- 4 x SL pilot fermentors
- Pilot freeze dryer
- Pilot spray drying (off-site)