

Lonza

Hopkinton, MA Site Partial Asset List

SEPARATORS

- 2006 GEA Westfalia CSC 20-06-476 Separator, s/n 1726-097, 8,340 RPM, Feed Vessel, Pump, Skid Mounted, Control System (Qty 2)
- 2003 Alfa Laval MBUX 510T-340-60 Separator s/n 4217367/2003/SK-03-0092, 7,488 RPM
- 2004 Westfalia 8A-1-02-175 Separator s/n 1723-839, 9,470 RPM
- 1990 Westfalia CSA 8-06-476 Separator s/n 1694 994, 9,160 RPM, Feeder, Pump, Skid Mounted, SS Vessel
- 1992 Westfalia CSA-8-06-476 Separator, 9,160 RPM

CIP SYSTEMS

- 2008 CIP Skids, T&C Stainless 500 Liter Vessels, 60 MAWP, 300 F, s/n TC6903-3, Approx. 100 Liter Vessels 1/- .5, 300F (Qty 4)
- Sani Matic CIP System
- 200 Liter CIP Skid
- CIP Valve Cart

VESSELS - 100 LITERS TO 30,000 LITERS

- 2009 Lee 30,000 Liter Vessel, MWAP 60, 302F, 2008 COR Water System Still Model Dist. Column, s/n 1950-1, 6070L
- 2010 Feldmeier 6,500 Liter Vessel s/n S059710, MWAP 60, 300F, Jacket (Qty 2)
- 2008 Lee 6,000 Liter Vessel, MAWP 60, 302F, Load Cells
- 2008 Lee 5,000 Liter Vessel, MAWP 60, 302F, XP (qty 4)
- 2008 T&C 3,500 Liter Vessel, MAWP 60, 302F (Qty 2)
- 2008 DCI 3,000 Liter Vessel, MAWP 60, 350F (Qty 3)
- 2008 DCI 2,500 Liter Vessel, MAWP 60, 350F (Qty 3)
- 2008 T&C 2,000 Liter Vessel, MAWP 60, 302F (Qty 3)
- 2004/2008 (Rerated) ITT Industries 2,000 Liter Vessel, MAWP 30, 200F (Qty 2)
- 2007 Dakota Skid, T&C 1600 Liter Vessel MWAP 50, 350F s/n TC6639-1
- 2008 Lee 1,500 Liter Vessel, MAWP 60, 302F, Load Cells (Qty 3)
- 2008 DCI 1,200 Liter Vessel, MAWP 60, 350F
- 1993 Mueller 1000 Gallon SS Vessel
- 2008 DCI 800 Liter Vessel, MAWP 50, 350F
- 2008 DCI 600 Liter Vessel, MAWP 60, 350F
- 2004 Pure Flo 540 Liter Vessel, MAWP 58, 305F
- 2008 Lee 500 Liter Vessel, MAWP 60, 302F, Load Cells (Qty 3)
- 2008 Lee 400 Liter Vessel, MAWP 60, 302F, Load Cells
- 2008 DCI 200L Vessel, MAWP 50, 350F

- 2004 Applikon 200L Skid, MAWP 60, 302F, Pump, Piping
- 2012 Asahi KASEI Bioprocess Vessel, MAWP 45, 300F
- DCI 260 Liter Process Vessel (Qty 2)
- 2008 Lee 150 Liter Vessel, MAWP 60, 302F, Load Cells
- 2008 DCI 150 Liter Vessel MAWP 50, 350F
- 2007 Novasep 120 Liter Slurry Vessel
- 1993 Allegheny Bradford Vessel MAWP 30, 257F
- 12,000 Liter SS WIFI Tank
- DCI 80 Gallon Mix Tank

HOMOGENIZERS

- 2011 GEA Ariete NS3015 High Pressure Homogenizer s/n 8858
- 2010 APV R37-22.81 Homogenizer s/n J3-10.134, 900-1,800 RPM, SS
- APV Gaulin 30/3000 Homogenizer s/n 59311799A
- 2001 Invensys APV-1000 Homogenizer

FERMENTERS

- 1991 New Brunswick Scientific 800L Fermenter
- 2005 Stainless Tech/ABEC 1,200L Fermenter, MAWP 60, 325F
- 2004 Applikon 2,000L Fermenter, MAWP 60, 302F
- 1993 New Brunswick Scientific 150L Fermenter
- Fermenter/Bioreactor System
- 2003 B. Braun Biostat B Type 8884034 Bench Top Fermenters (Qty 4)
- 2,000L Fermenter
- 2002 ABEC 200L Fermenter Skid
- Bio Stat C Fermenter
- 2000 Biostat Fermenter
- 150L Fermenter
- Twin Fermenter

FAST PROTEIN LIQUID CHROMATOGRAPHY

- Amersham Biosciences AKTA Explorer FPLC Systems, 900 Type (Qty 9)
- Amersham Biosciences AKTA Pilot FPLC Systems (Qty 3)

CHROMATOGRAPHY SYSTEMS

- 2009 BioPharm CHRМ-20431/K400RL-45 Chromatography System s/n 02-1255-2009
- BioPharm CHRМ-20431/K400RL-45 Chromatography System
- 2009 AKTApocess 10mm automated liquid chromatography system s/n 28950353, Cabinet 10
- 2012 GE/AKTA Avant 150 preparative chromatography system
- 2006 AKTApocess 10mm automated liquid chromatography system s/n 28408317, Cabinet 10
- 2004 Amersham Biosciences 01118094 Bioprocess Chromatography Skid

- 2003 Amersham Biosciences 01086195 Bioprocess Chromatography Skid
- 1999 Amersham Pharmacia Biotech 1057 Chromatography Skid

STERILIZERS

- Satorius Biostat C Sterilizable-In-Place (SIP) (Qty 2)

COLUMNS

- 2008 Novasep Prochrom LC450.700.VE100 High Pressure SS Column, Hydraulic Unit
- 80cm ID SS Column, 10cm-50cm Height, Hasteloy

MICROFLUIDIZERS

- 2006 Microfluidics Microfluidizer Processor 7125-20 s/n 2006021
- Microfluidics 110Y Microfluidizer s/n 98031

BIOREACTORS

- New Brunswick Bioflo 3000 Batch Continuous Bioreactors (Qty 3)

STERILIZERS

- 2006 Steris-Finn Aqua GMP Sterilizer s/n COA42583
- Steris Sterilizer
- Grieve Class 100 Sterilizer, 30KW, 500F, electric

REVERSE OSMOSIS SYSTEM

- US Filter RO System
- Osmonics E4 RO Unit

PACKING SKIDS

- 2010 GE Chromaflo 18-1162-08 Packing Station
- 2009 Millipore UF/DF Packing Skid, 30L Vessel, Pump, Meter
- 2008 Millipore UF/DF Packing Skid, 400L Vessel, Pump, Meter

HEAT EXCHANGERS

- 2008 Allegheny Bradford Heat Exchangers, MAWP 150, 300F (Qty 7)
- 2008 Allegheny Bradford Heat Exchanger 31.3 Surf Area

LAB

- Agilent 1100 HPLC System (Qty 12+)
- Agilent 1200 HPLC System (Qty 12+)
- Waters 2695, 2996, 2487 HPLC System (Qty 8+)
- New Brunswick Innova 44 Incubator Shakers (Qty 7)
- New Brunswick Innova 4300 Incubator Shaker
- Asst. Fischer Scientific, Thermo, Revco, VWR Cryo & Deep Freezers (Qty 70)
- Asst. Digital Scales & Balances (Qty 50)
- O+ Analytical Auto Samplers 1088, Aurora (Qty 2)
- 2003 Amersham Biosciences 44-9825-41 Membrane System s/n 4043
- Ziess Scope
- Steris Reliance 680 Washer
- Steris Washer
- Thermo Nicolet 6700 FTIR Spectrometer
- Beckman Coulter Avanti J-26 XPI Centrifuge (Qty 2)
- SS Filters, Control Cabinet, Pumps (Qty 2)
- Hood, Cab, Spectro, SS Digi Scale
- Versa max Microplate Reader
- Lydon Brothers Heat Process Oven
- Nikon Scope
- Beckman Coulter Avanti J-26 XPI Centrifuge
- Beckman Coulter Life Science DU 730 UV/VIS Spectrophotometer
- Beckman Coulter Avanti J-20 XP Centrifuge
- Wyatt Optilab T-rex Refractive Index detector
- Eppendorf 5810R
- Asst. Hoods (Qty 20)
- Eppendorf 5417 Centrifuge
- 3M Encapsulated Holder
- YSI 2700 Biochem Analyzers (Qty 2)
- Beckman Coulter Allegra 25R Centrifuge
- Getinge PACS 50 Washer
- Sorval Centrifuges, (Qty 2) RC 3B Plus, (Qty 2) RC 38, (Qty 4)
- Nuair Water Jacketed Incubators (Qty 2)
- Neslab HX 300 Chiller
- Thermo Revco UXF
- Beckman Coulter DU530 Spectro, Beckman CS-15R Centrifuge
- Thermo SPD131DDA SpeedVac Concentrator
- GE kaye Validator
- PolyScience Durachill DCA304D1 Chiller
- Beckman Coulter DU 800
- Cambrex ELx808cse Microplate Readers (Qty 2)
- YSI 2700 Select Biochem analyzer
- Lenova ELx808LBS Absorbance plate Reader
- Groton Biosystems M440 Automated Reactor Sampling System
- DAS-GIP parallel bioreactor systems (Qty 2)
- Tecan infinite F200 multimode reader

- Xcellerex Mixer
- IEC Centra GP8R Centrifuge
- Nova Biomedical Analyzer
- New Brunswick Innova 4300 Incubator Shaker (Qty 2)
- IEC Centra GP8R Centrifuge
- Beckman Coulter DU-800 Spectro
- Thermo RVT4104 Refrigerated Vapor Trap
- Clestra Clean Room
- Beckman DU-640i
- Beckman J2-21M Centrifuge
- Wallac 1205 Betaplate
- Beckman LS 6000 scintillation counter
- New Brunswick Incubator Shaker
- Molecular Devices Skan Washer
- Carver lab press
- Thelco Oven

MASSPECTROMETERS

- Thermo Scientific Prima dB Process MS Massspectrometer (Qty 2)

BOILERS / CHILLERS / COMPRESSORS

- 2008 Cleaver Brooks CBI-700-500-150 Packaged Boiler s/n 0L107006, Nat Gas, Spratmaster Dearator Skid
- Kewanee 125 HP Boiler
- Burnham Boiler
- 2008 Trane CVHF570 570 Ton Chiller s/n Lo8JO4397
- Atlas Copco ZR55 Rotary Screw Air Compressor, 100HP, Tank, Air Dryer

STEAM GENERATORS

- Mueller Steam Generator
- Unused Mueller P7505-2 Steam Generator s/n 359481
- Finn-Aqua C100 WFI clean Steam Generator (Qty 2)
- Mueller PSC P7140 Steam Gen, Pumps
- Clean Steam Generator
- Electro Steam Generator
- **BACK UP GENERATORS**

AND MUCH MORE!!!!