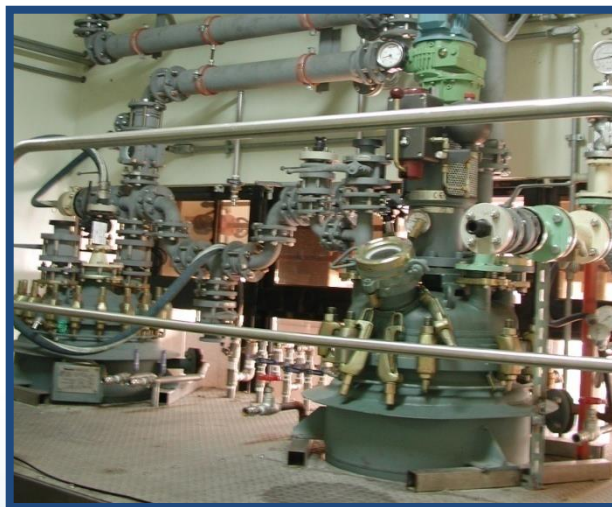


# Synthetic Pilot Plant



CCSB

50 L Glass Lined Reactor



75 L Stainless Steel Reactor



50 L Cone Dryer & 25" Centrifuge

# Synthetic Pilot Plant (cont.)



Freeze Dryers



# Synthetic Commercial Plants



3,000 L Glass Lined Reactors

# Synthetic Commercial Plants (cont.)



**Stainless Steel Reactors**

**Cone Dryer in Controlled Room**





# Synthetic Commercial Plants (cont.)



**MPLC**

Medium pressure liquid  
chromatography

# Synthetic Commercial Plants (cont.)



## Glove Box

(negative pressure)





# Synthetic Commercial Plants (cont.)



**Glove Box**

(negative pressure)



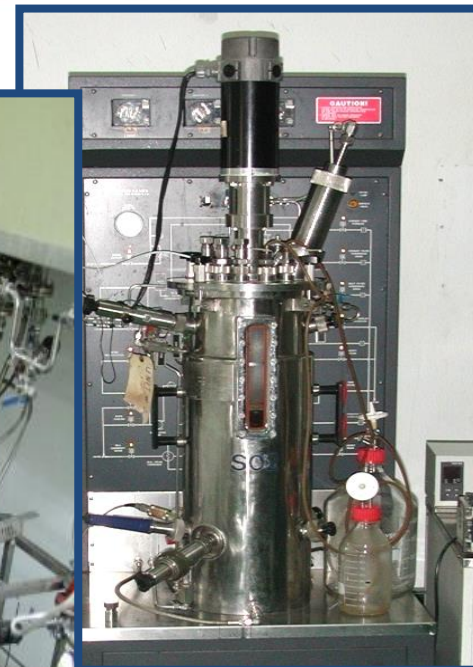
# Biotech Pilot Plant



5 L Fermentor



600 L Fermentor



22 L Fermentor



# Biotech Commercial Plant



Laminar Flow Hood for Cell Expansion

Freezer as WCB/MCB

# Biotech Commercial Plant (cont.)



Incubator & shock box



autoclave



# Biotech Commercial Plant (cont.)



20,000 L & 30,000 L Fermentors





# Down Stream Purification



Filter Press for Biomass Separation



Reactors for Extraction/Concentration/...



# Down Stream Purification (cont.)



**5,000 L Glass-lined and Stainless Steel Reactors for Purification Process**

# Down Stream Purification (cont.)



Columns for Purification



# Down Stream Purification (cont.)



Recovery & Purification Equipment



Ultra Filtration

# Down Stream Purification (cont.)



Reactors/Dryers



Mill/Sifter