

5-7:Equipment of Process Research and Development:**Major Equipment List**

Type	Sets	Manufacturer	Model
Freeze Dryer	1	Eyela	Model:GHDU-830
Parelle Synthesizer: Argonaut Technology	1		Quest:205
Peptide Synthesizer	1	Protein Technologies	P53
Peptide Synthesizer: CS BIO	1	CS Bio	CS536
Parelle Flash Chromatography:Isco			
Combiflash	1	ISCO	SI1000S
Hydrogenator	1	Parr Instrument	Model:3916EA
GC	2	HP	HP6850/G1289; 6898 Series
HPLC	7	HP	HP1100
TSP	2		P4000; AS3000
Ozonizer	1	Ozonair	RXO-5
Preparative Flash Chromatography	1	Biotage	Flash 75LI
HPLC	7	HITACHI	Series D-7000
HPLC	1	Perkin Elmer	Series 200
Gas Chromatography	1	Hewlett Packard	HP6890 Series
Gas Chromatography	1	Perkin Elmer	Auto System XL
Circulator	9	EYELA	Cool ace CA-1110
React IR 1000	1	ASI	
RC	1	HEL	Simulan Reaction Calorimetry
PHI-TEL II	1	HEL	Adiasatil Calorimetry
DSC	1	Mettler-Toledo	DSC821
TGA	1	Mettler-Toledo	SDTA851
Prep HPLC	1	Waters	Delta Prep 400
High Performance Preparative Liquid Chromatography	1	Novasep	LC 50.50. VE100
GC (Part of GCQ)	1	CE Instrument	Trace 2000
HPLC	3	TSP	P4000; AS3000

Type	Sets	Manufacturer	Model
Mass Spectrometer (MS)	1	Finnigan	Polars (GCQ)
	1	Finnigan	DECA (LCQ)
	1	Applied Biosystem	API 3000
Moisture Analyzer	2	Mettler-Toledo	HR 73
Near IR	1	Perkin-Elmer	Spectrum One NTS
Particle Size Analyzer	1	Malvern	Mastersizer 2000
Fractional Collector	1	ShanWei	DC-1000
Freeze Dryer	1	Eyela	DU-830