



DEPARTMENT OF BIOTECHNOLOGY

DOWNSTREAM PROCESSING ENGINEERING LABORATORY

Lab Code: 17BTCC92

Year/Sem: IV year/ ODD

Branch: B.Tech Biotechnology

LIST OF EXPERIMENTS

S.No.	TITLE OF THE EXPERIMENTS
REMOVAL OF INSOLUBLES	
1.	Cell disruption by sonication
2.	Centrifugation studies during settling of yeast cells
3.	Flocculation
ISOLATION OF PRODUCTS	
4	Isolation of casein from milk (Isoelectric precipitation)
5	Precipitation of protein by salting out method (Ammonium sulphate precipitation)
6	Ultra filtration of protein
7	Aqueous two phase extraction of protein
PURIFICATION	
8	Separation of plant pigments by Thin layer Chromatography
9	High Performance liquid Chromatography
POLISHING	
10	Crystallization of a product

A. H.

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