

POST – FERMENTER CELL DEBRIS REMOVAL



Crystal structure of 3 molecules of GCSF

OBJECTIVE

To establish an effective filtration step required in downstream process for Clarification of fermented broth.

PRODUCT DETAILS

- GCSf i.e. Granulocyte Colony Stimulating Factor.
- It is growth factor which is produced by a number of different tissues to stimulate the bone marrow to release granulocyte into the blood.
- It is a bacterial culture having E-coli type of cell.

STRATEGY ADOPTED

To decrease the optical density (OD) of fermented broth instead of using centrifuge method, charged modified depth filter was used in the form of modules.

RESULT

Using module housing system, OD of broth was successfully decreased & also Protein quantity remains same.

CUSTOMER DELIGHT

- 1.It provides effective clarification of the cell culture.
- 2.Cost effective.
- 3.Mechanical simplicity.
- 4.Optimal product recovery.



MICROFILT INDIA PVT LTD.

247/2,GIDC Phase II, Umbergaon

Dist. Valsad Gujarat-396171
(0260)2561392 EXT:34

E mail– innovation@microfilt.com