

3M™ Harvest RC Chromatographic Clarifier Cell Harvest

3M™ Harvest RC Chromatographic Clarifier is a harvest solution that utilizes synthetic fibrous anion exchange (AEX) chromatography to efficiently separate whole cells, cell debris, and DNA from the harvest fluid containing the target product. Precision quaternary ammonium (Q) functionalized polypropylene nonwoven, combined with a 0.2 µm PES membrane, provides scalable and predictable clarification from discovery to commercial manufacturing scale.

3M™ Harvest RC is a single-stage, single-use chromatographic clarification solution. Designed for efficient removal of large and small particulates based on charge.

- Reduces multiple stages into 1
- Predictable scaling from discovery to manufacturing
- Lower Cost of Goods Sold (COGS) compared to centrifugation and classic cellulosic depth filtration
- Single use means no post-use cleaning required
- Lower consumption of buffer and water compared to depth filtration
- High mAb product recovery (Capsules: >95%; Conical Tube and Well Plate >90%)
- Consistent and scalable cell loading capacity
- Turbidity reduction (<15 NTU)
- DNA reduction (<500 ppb)
- Minimal cell shear
- 0.1 µm sterile filter protection

