

Hybridoma Supplement, Serum-free

General information

Hybridoma cells result from fusion of an antibody producing B-cell from the immune system with a tumor cell. To support hybridoma development and achieve an optimal cell density as well as cloning efficiency growth factors and serum (10 to 20 %) are required. Hybridoma Supplement is a chemically defined growth promoting supplement containing insulin, ethanolamine, hydrocortisone, retinoic acid, linoleic acid and other growth promoting factors. As supplement to culture medium it supports the growth of hybridoma in a manner feeder cells have been used before. The disadvantages occurring by the use of feeder cells may include: overgrowth of newly formed hybridomas; source of contamination, competition for nutrients, and variations in growth factor concentrations.

Hybridoma Supplement can be used in culture medium under serum-free conditions. The low protein content facilitates the isolation and purification of produced antibodies. Hybridoma Supplement is provided as a 10x concentrate.

Applications

- Improvement of Hybridoma Growth after Fusion.
- Improvement of cloning efficiency of hybridomas.
- Production of Monoclonal Antibodies under serum-free conditions.

Ordering information

Catalogue number	Pack size
LTGA06	50 ml

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