FUJIFILM
Value from Innovation

IrvineScientific

IS MAB-CD

Chemically-defined medium

Catalog ID: 91104 | Size: 1 L

FUJIFILM Irvine Scientific developed IS MAB-CD, a chemically-defined medium formulated specifically for the growth of hybridoma and myeloma cell lines for recombinant monoclonal antibody production. To address concerns relating to consistency, regulatory and downstream process issues, IS MAB-CD has been developed as a protein-free medium with components that are defined and of non-animal origin.

Features:

- Components are chemically-defined and non-animal in origin
- Contains no hydrolysates, extracts or other undefined components
- Lot-to-lot consistency
- Shelf life of one (1) year when stored at 2–8°C and protected from light
- Available in 1 L packaging
- Custom formulations, packaging, and powder configurations are available

Adaptation:

Hybridoma cells currently adapted to serum-free medium can be subcultured directly into supplemented IS MAB-CD with minimal adaptation, though a higher initial starting density should be used. The cells should be in mid-logarithmic growth phase with high (>90%) viability. Adaptation of hybridoma cells to serum-free culture conditions may require either direct or sequential adaptation depending upon cell type and culture conditions.

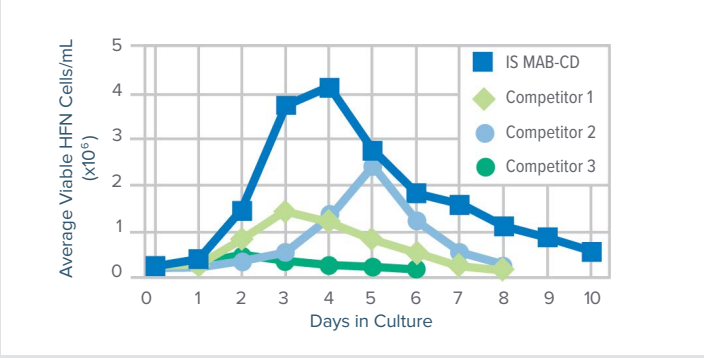

Figure 1 Cell Growth. HFN 7.1 hybridoma cell growth in IS MAB-CD and three competitor's media.

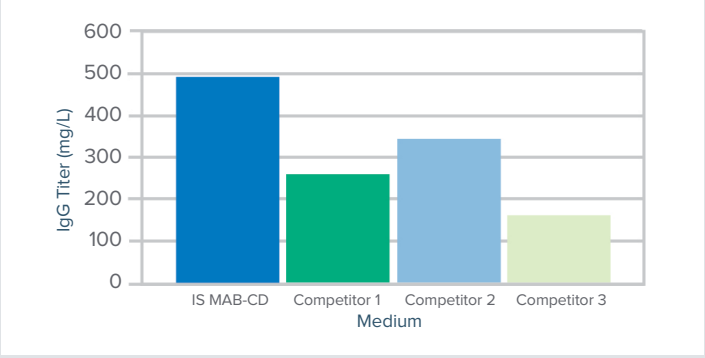

Figure 2 Antibody Expression. Titer of anti-human IgG produced by HFN 7.1 cells grown in IS MAB-CD and three competitor's media.

Performance data demonstrates that IS MAB-CD supports robust growth and high antibody expression. IS MAB-CD was tested against comparable media from three competitors. **Figure 1** and **Figure 2** demonstrate superior performance with respect to high-density cell culture and antibody expression. These results demonstrate that IS MAB-CD provides superior cell growth and production of high quality antibodies when compared to other serum-free media.

Always refer to product insert for complete instructions for use. Contact your FUJIFILM Irvine Scientific sales representative or visit us at **www.irvinesci.com** to learn more.