



IS MAB-CD

Chemically-Defined Medium

- Catalog Number 91104

Irvine Scientific has developed IS MAB-CD™, a new 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.

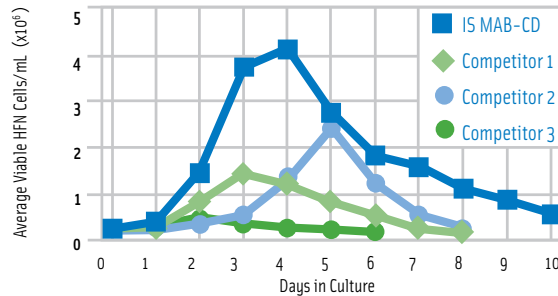


Figure 1 Cell Growth. HFN 7.1 hybridoma cell growth in IS MAB-CD and three competitor's media.

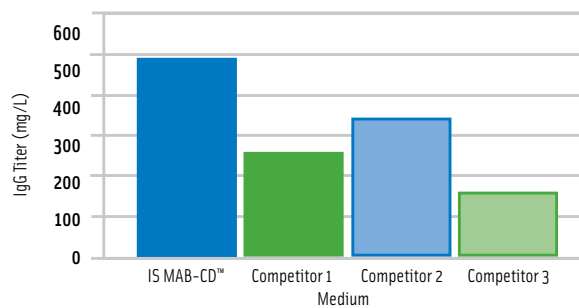


Figure 2 Antibody Expression. Titer of anti-human IgG produced by HFN 7.1 cells grown in IS MAB-CD and three competitor's media.

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 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. For more information on all of our Cell Culture Products, call 1 (800) 437-5706 and ask for your Territory Manager or visit our website at www.irvinesci.com.

North America Headquarters

Irvine Scientific
2511 Daimler Street, Santa Ana, CA 92705
USA
Phone: 1 (949) 261-7800
Toll Free: 1 (800) 437-5706
Fax: 1 (949) 261-6522
www.irvinesci.com

Europe Headquarters

Irvine Scientific
Unit 31, Newton Business Center, Block D
Newtownmountkennedy
County Wicklow
Ireland
Phone: +353 1 281 99 20
Fax: +353 1 281 99 28

Asia Headquarters

Irvine Scientific
3-17-35 Niizo-Minami
Toda-Shi
335-0026 Saitama
Japan



IrvineScientific®