# HybriMore™

## Hybridoma Culture Supplement

VISUAL PROTEIN

# Enhance the Growth of Hybridoma with Protein-Free Supplement

HybriMore™ Hybridoma Culture Supplement is a an unique **protein-free supplement** for adding to hybridoma culture medium. It can substantially provide necessary elements during cell culture and therefore successfully increase the cloning efficiency and raise the survival rate of hybridoma cell, even in no-serum or low serum conditions. Thanks to the protein-free nature of HybriMore, it's much easier to find those hybridoma clones with high antibody production ability during screening (because HybriMore will not interfere the background signal).

Scan me

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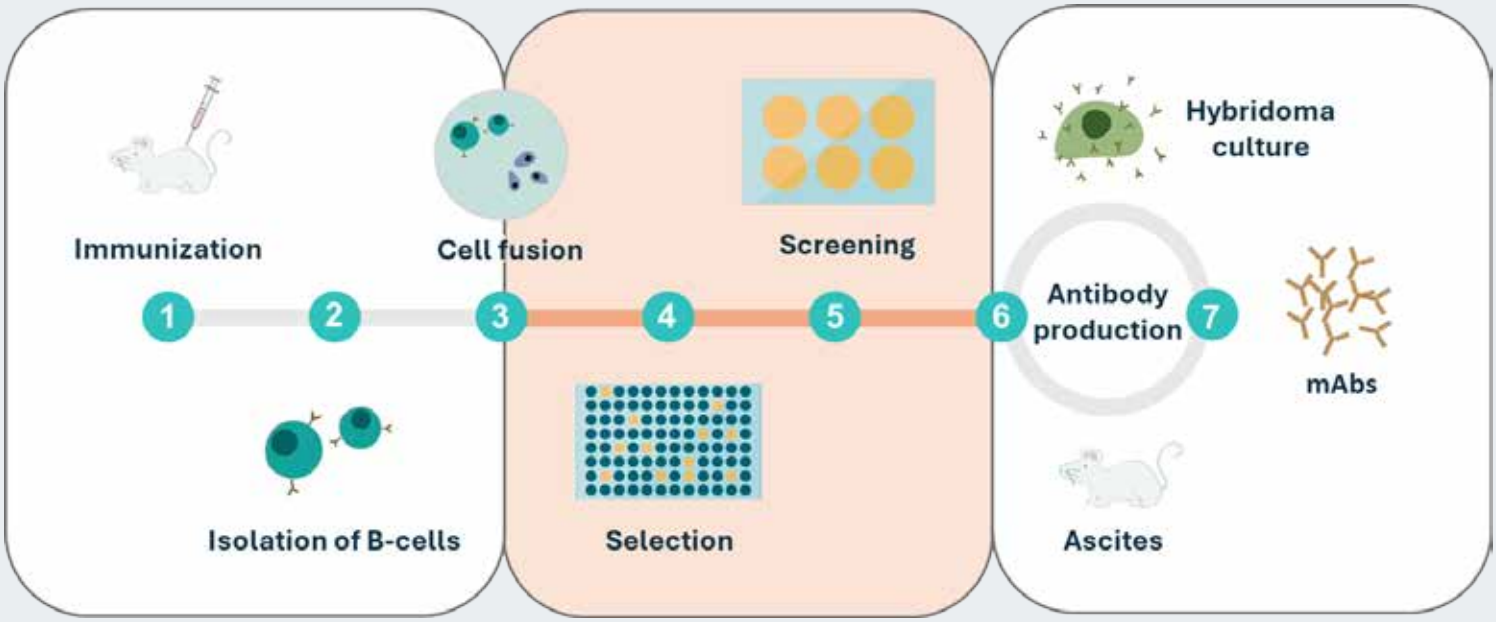
|---|---|
| Cat. No. | HB01-1L |
| Form | lyophized powder |
| Storage | 2~8 °C |
| Preparation | 1 bottle for 1 L culture medium |

## Generation of mAbs by hybridoma technology with HybriMore™




- **For the best efficiency, using HybriMore from post cell fusion to antibody production.**

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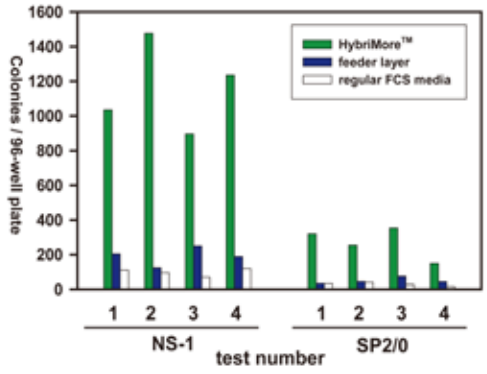
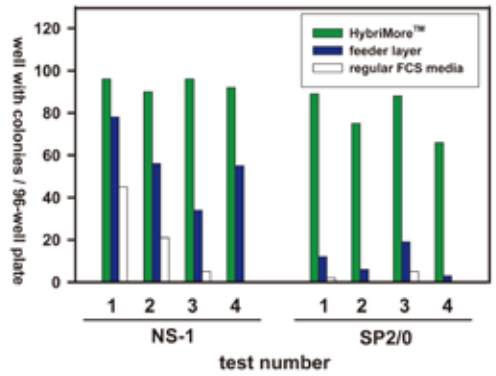
## A significant higher cloning efficiency was observed in the usage of HybriMore



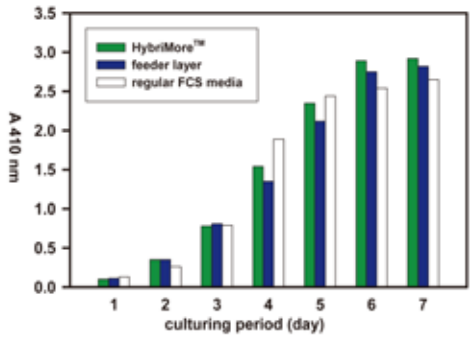

The newly PEG fused hybridoma cells were plated onto a 96-well plate containing FCS media with HybriMore, FCS media with feeder layer, or regular FCS media. Hybridoma cells were subject to HAT selection 14 days after the cell fusion. Two mouse myeloma fusion partners, NS-1 and SP2/0, were evaluated by four independent fusion experiments with freshly prepared mouse spleens.

## Increase the successful rate of monoclonization during monoclonization




The number of viable hybridoma colonies in a well was visually counted under a microscope. A significant higher successful rate (almost 100%) of monoclonization was observed with the usage of HybriMore, which was higher than those of the regular FCS media (10-40%) and the feeder layer (50-80%).

## Defined chemical with no animal source materials and no effect on cell physiology




A clone of hybridoma cells (anti human transferrin, L3B5) was cultured in the media containing FCS media with HybriMore, FCS media with feeder layer, or regular FCS media for seven days. The supernatants were harvested and examined by the titer of secreting Ab by ELSIA assay. The usage of HybriMore will not alter the yield of secreting Ab in hybridoma cells.

## Customer's feedback

1. Excellent performance of post fusion cell numbers.
2. Better signal-to-noise ratio during clone screening by ELISA (thanks to the protein-free formula of Hybriore).

   (Source: Academic research labs in Taiwan)

Contact us:
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## Related Publications

1. Li, CJ., Huang, PH., Chen, HW. et al. Development and characterization of mouse monoclonal antibodies targeting to distinct epitopes of Zika virus envelope protein for specific detection of Zika virus. Appl Microbiol Biotechnol (2021).

2. Lai, Guan-Chun, et al. "Neutralization or enhancement of SARS-CoV-2 infection by a monoclonal antibody targeting a specific epitope in the spike receptor-binding domain." Antiviral Research 200 (2022): 105290.

3. Su, Shih-Chieh, et al. "Structure-guided antibody cocktail for prevention and treatment of COVID-19." PLoS Pathogens 17.10 (2021): e1009704.