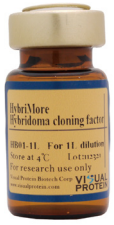
HybriMore™

Hybridoma Culture Supplement

VISUAL PROTEIN

Enhances the growth of hybridoma cells with chemically defined components

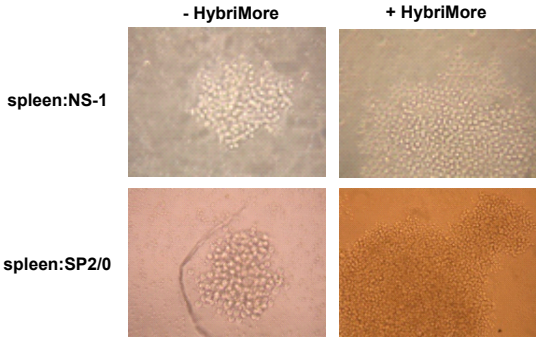
HybriMore™ Hybridoma Culture Supplement is a chemical-defined supplement which is adding in the culture medium when culturing hybridoma cells. It can substantially provide growth promoting substances during cell culture and therefore successfully increase the cloning efficiency and raise the survival rate of hybridoma cell. No negative effect to hybridoma cell with defined chemical component and defined concentration.



Product	HybriMore™ Hybridoma Culture Supplement
Cat. No.	HB01-1L
Preparation	1 bottle for 1 L culture medium

FEATURES:

- **MORE HYBRIDOMA CELLS**
- **SERUM-FREE & PROTEIN-FREE**
- **NO ALTERATION IN ANTIBODY PRODUCTION**

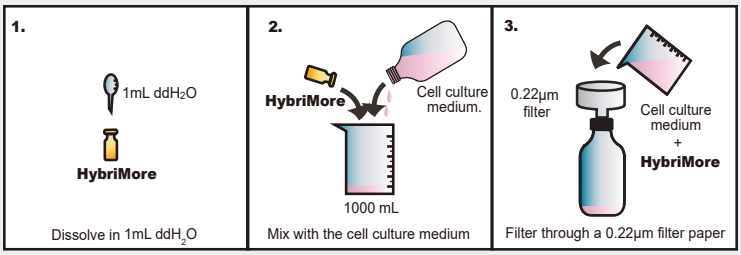


Observation of the cell amounts and growth condition with microscope.

To demonstrate the growth-promoting efficacy of HybriMore on the newly fused hybridoma cells, mouse spleen cells were fused with NS1 and SPS2/0 cell lines respectively. The two types of hybridoma cells were cultured in 15% FCS medium with or without HybriMore for 14 days.

The Recommend Timing of HybriMore Addition

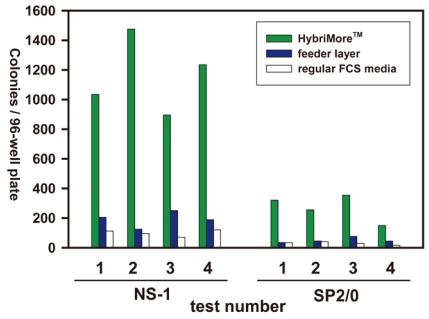
(1) HybriMore™ should be routinely used to culture the established hybridoma cells.
(2) HybriMore™ must be added to HAT-media during selection of the hybridoma cells.
(3) HybriMore™ must be added to the cell culture media for monoclonized hybridoma cells.



Usage Protocol

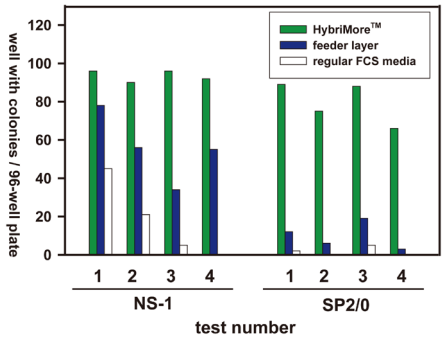
(1) Dissolve HybriMore™ in 1 mL ddH_2O.
(2) Mix with the cell culture medium.
(3) Filter through a 0.22μm filter paper.

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



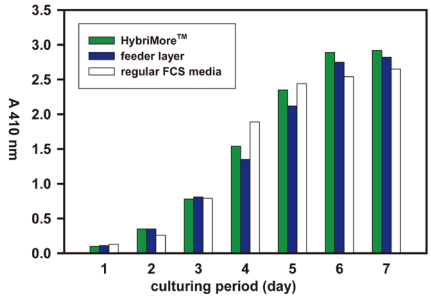
The newly PEG fused hybridoma cells were plated onto a 96-well plate containing FCS media with HybriMore, FCS media with feeder layer, or regular FCS media. Hybridoma cells were subject to HAT selection 14 days after the cell fusion. Two mouse myeloma fusion partners, NS-1 and SP2/0, were evaluated by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

Increase the successful rate of mono-clonization 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.

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