

## National Institute for Cellular Biotechnology

# BriClone-SF

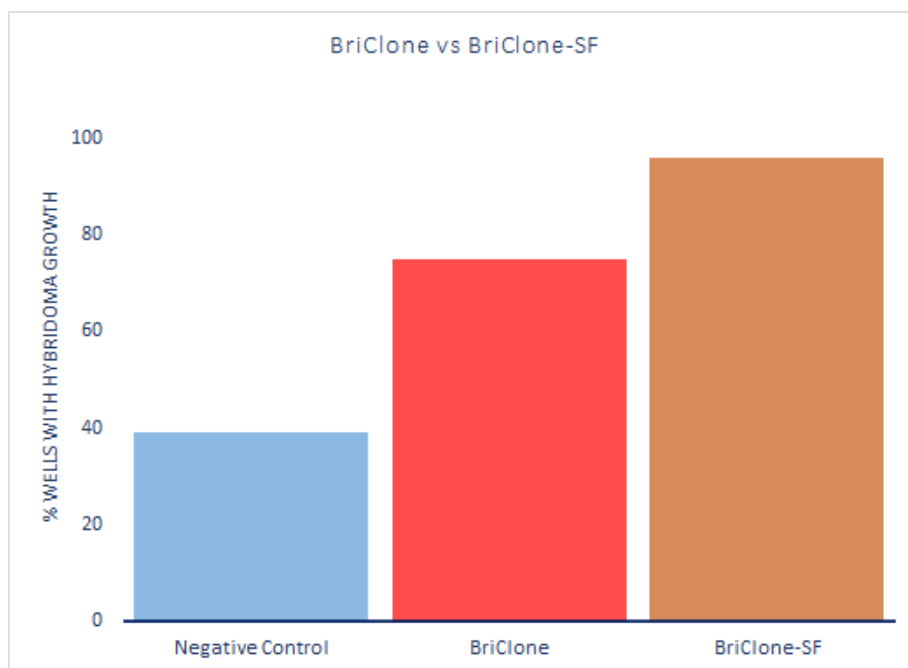
BR-002

Serum-Free

Hybridoma Cloning Supplement

**Technical Data Sheet**

BriClone is produced by exposing basal culture medium with a low percentage of foetal calf serum to a human cancer cell line, which secretes relevant molecules into the medium, resulting in a product consistently supportive of the fusion and cloning stages of hybridoma production. Some researchers require a product which is serum-free and has had no contact with human or animal cells. We have, therefore, designed BriClone-SF which has the same basal medium and biological activities as BriClone but has no added serum or other substances of human or animal origin and has not been exposed to cells. BriClone-SF contains added recombinant human proteins produced in bacterial or yeast host cells.



Percentage of fusion efficiency from freshly fused hybridomas cultured using BriClone (red) compared to Bri-Clone-SF (brown) and a negative control (blue).

## Serum-Free Hybridoma Cloning Supplement



### Volume

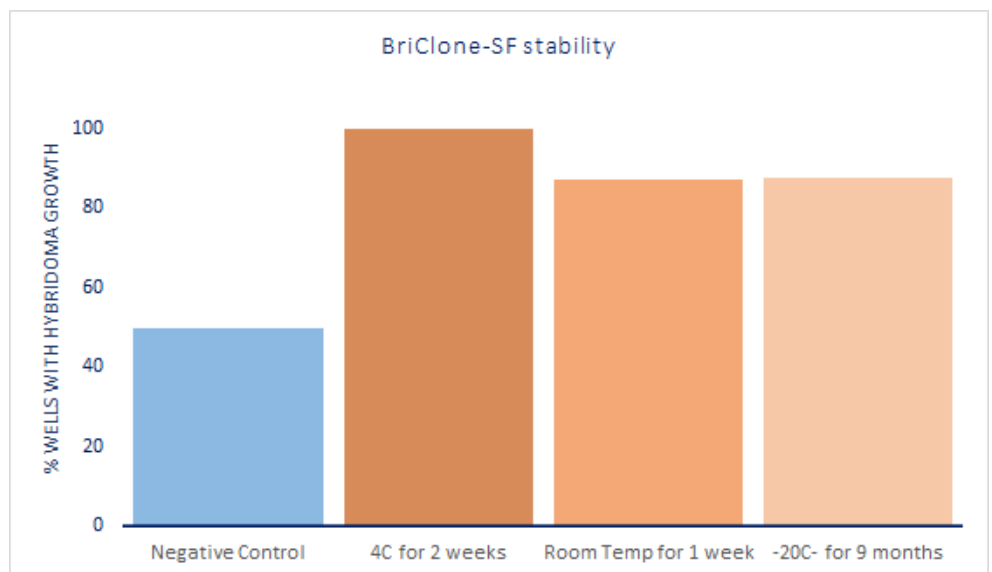
10 mL Sample Bottle  
100 mL Bottle

### Storage Conditions

Store at  $-20^{\circ}\text{C}$ . Avoid repeated freeze/thaw cycles. Stable for short periods at  $+4^{\circ}\text{C}$

### Shelf Life

BriClone-SF is stable for at least 9 months when stored at  $-20^{\circ}\text{C}$ .



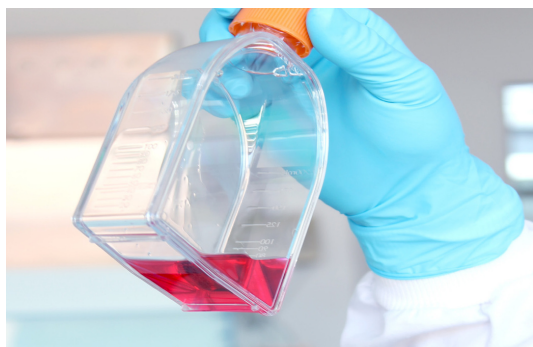
Percentage of fusion efficiency from freshly fused hybridomas cultured using BriClone-SF stored at  $4^{\circ}\text{C}$  for 2 weeks, Room Temperature for 1 week and  $-20^{\circ}\text{C}$  for 9 months compared to a negative control (blue).

### Quality Control Testing

Each batch of BriClone-SF is tested for its ability to support / promote the growth of newly PEG fused hybridoma cells, plated in 48 well plates containing HAT selection medium with 5% BriClone-SF over a 10-12 day time period. Test cells used are Sp2/0-Ag14 mouse myeloma cells and immune splenocytes isolated from BALB/c mice.

# BriClone-SF

Serum-free  
Hybridoma Cloning Additive



## Instructions for Use

Thaw and add to the hybridoma cloning medium as a 5% v/v supplement. Refer to Protocol for Use for more details.

BriClone-SF can be used for:

- Hybridoma growth post-fusion (refer to your own protocol)
- Hybridoma single cell cloning (refer to your own protocol)

## General Considerations

This product is for *in vitro* research purposes only

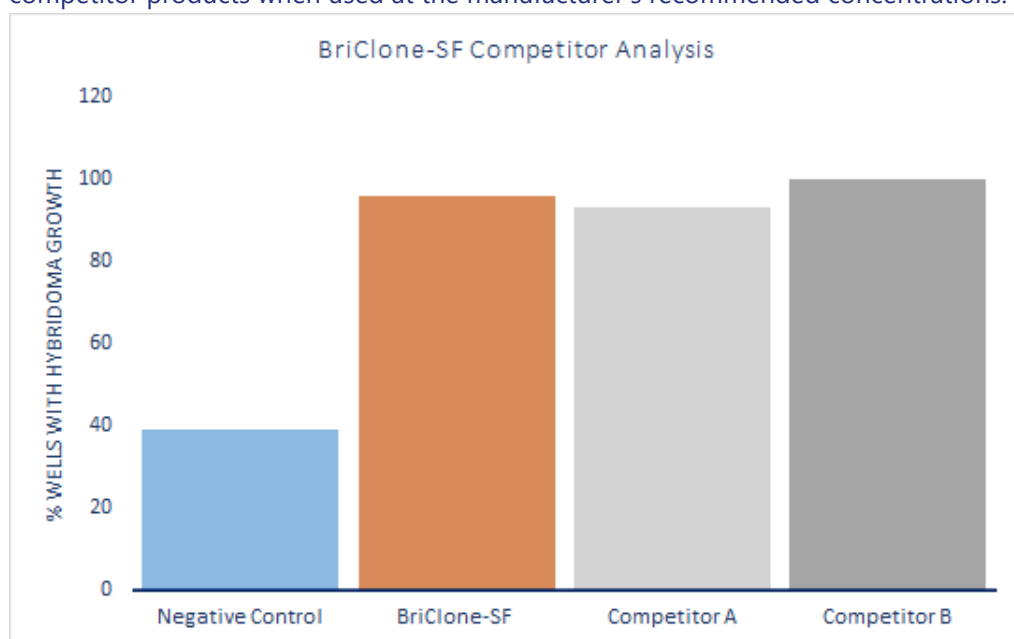
Not for human or veterinary use.

Always use BriClone-SF under aseptic conditions

Handle as a potentially biohazardous material under at least Biosafety Level 1 containment

## Competitor analysis

BriClone-SF has equivalent fusion efficiency activity when compared to two leading competitor products when used at the manufacturer's recommended concentrations.



Percentage of fusion efficiency from freshly fused hybridomas cultured using BriClone-SF (orange) compared to Competitor A (light grey) and Competitor B (dark grey) products and a negative control (blue).