

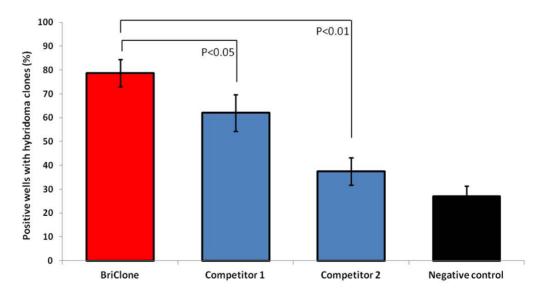


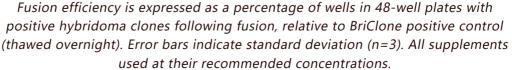
National Institute for Cellular Biotechnology



BriClone is an additive for the cloning medium used in the post-fusion stages of hybridoma production and for improving the efficiency of hybridoma cells cloning.

Many commercial additives are available for improving the improving the efficiency of cell cloning at the post-fusion stages of hybridoma production. In the following experiment, BriClone was compared to two competitors as a supplement for post-fusion hybridoma production by assessing fusion efficiency.





BriClone significantly increased the number of positive wells identified with hybridoma clones, when compared to two separate competitors ((1.) >40% positive wells, P \leq 0.05; (2.) >100% positive wells, P \leq 0.01). Biological triplicate experiments performed; Negative control indicates no supplement added.

BriClone Hybridoma Cloning Additive





Origins of Components

Dulbeccos Modified Eagle medium (DMEM): Non Animal Source

Foetal Bovine Serum: origin United States of America, certified free of viruses

Volume

20ml sample bottle 100ml bottle

Storage Condition

Store at -20°C. Avoid repeated freeze/thaw cycles. Stable for short periods at +4°C

Shelf Life

See expiry date on the label

Sterility

Each batch of BriClone undergoes a filtration using a Supor® membrane (hydrophilic polyesthersulphone (PES) of 0.2µm)

Each batch is confirmed free of:

- Aerobic and anaerobic bacteria (Thioglycollate Broth at 37°C for 15 days)
- Fungi (Trypton Soy Broth at 25°C for 15 days)
- Mycoplasma (Hoechst direct staining method)

Quality Control Testing

Each batch of BriClone is assayed 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 over a 10-12 day time period. Test cells used are SP2/O mouse myeloma cells and immune splenocytes isolated from Balb/C mice.

Instructions for Use

Thaw and add to the hybridoma cloning medium as a 5% v/v supplement. BriClone can be used for

- Hybridoma growth post-fusion (refer to your own protocol)
- Hybridoma 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 under aseptic conditions
- This product has been produced using cells that have not been screened for Hepatitis B, Human immunodeficiency viruses or other agents.
- Handle as a potentially biohazardous material under at least Biosafety Level 1 containment.