

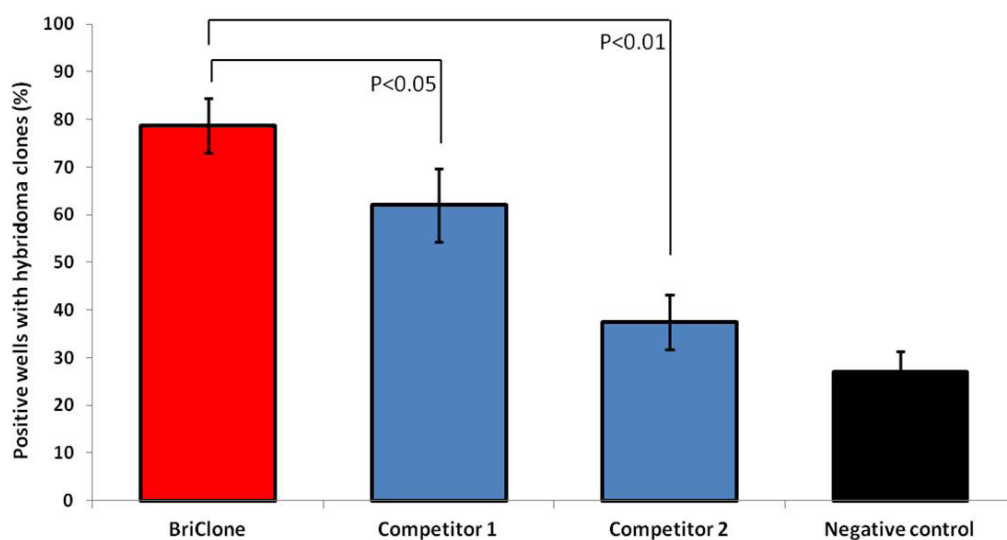
BriClone

Hybridoma Cloning Additive

Competitor Analysis

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 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.



Fusion efficiency is expressed as a percentage of wells in 48-well plates with positive hybridoma clones following fusion, relative to BriClone positive control (thawed overnight). Error bars indicate standard deviation (n=3). All supplements used at their recommended concentrations.

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.



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 polyestersulphone (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.