



BriClone

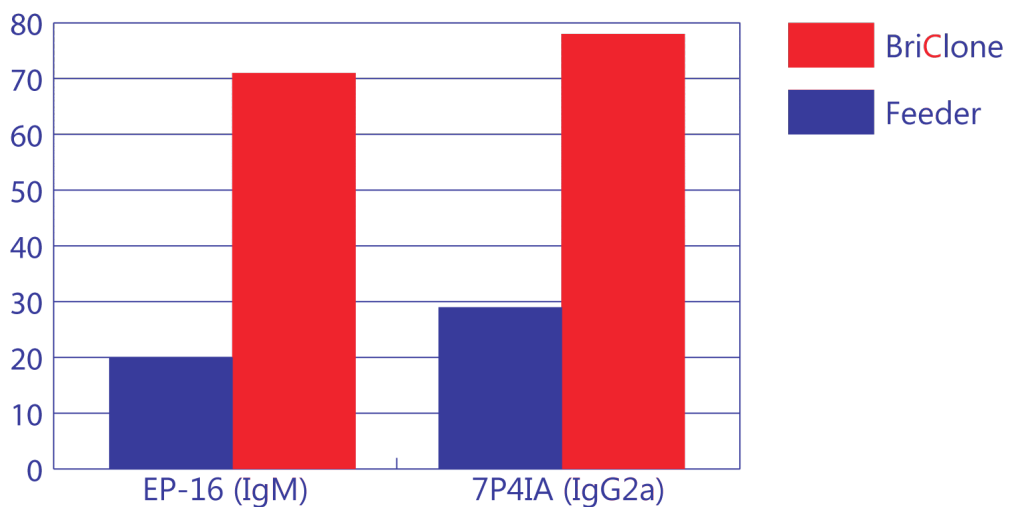
Hybridoma Cloning Supplement

Technical Data Sheet

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.

The use of feeder cells to support the outgrowth of hybridomas has many disadvantages, like batch-to-batch variation of the feeder cells and competition between feeder cells and freshly-fused hybridomas for nutrients in the culture medium. BriClone has been specially developed to overcome these common problems in the post-fusion period.

BriClone completely replaces the need for feeder cells.



Hybridomas cloning using BriClone or mouse macrophages (feeder). The hybridomas were cloned by limiting dilution at 1 cell/well.



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 polyethersulphone (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 tested for its ability to support the outgrowth of hybridomas from freshly fused cells. Test cells used are Sp2/0 and immune splenocytes from Balb/C mice. Hybridomas are cloned by limiting dilution under conditions designed to seed one cell/well in 800µl on 48-well plates over a 12 days incubation period.

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.