

National Institute for Cellular Biotechnology

BriClone

Hybridoma Cloning Additive

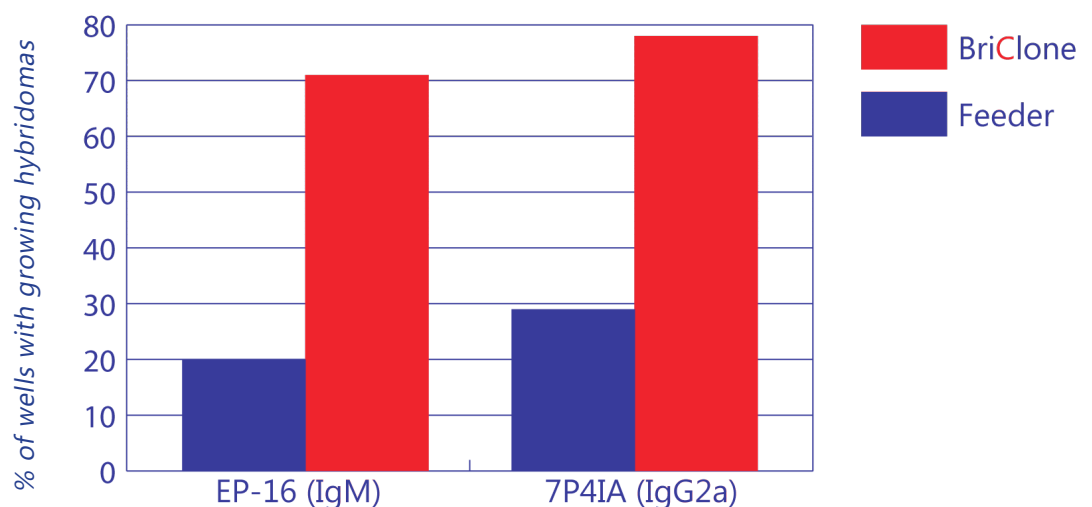
Technical Data Sheet

BriClone is an additive for the cloning medium used in the post-fusion stages of hybridoma production and for improving the efficiency of hybridoma cell 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 & 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, EP-16 and 7P41A were cloned out under conditions of limiting dilution in the presence of 5% (vol/vol) BriClone and Feeder cells (1×10^4 mouse macrophages per 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

10ml 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 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 over a 10-12 day time period. Test cells used are Sp2/0 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.