

## National Institute for Cellular Biotechnology

# BriClone

BRI1000

Hybridoma Cloning Supplement

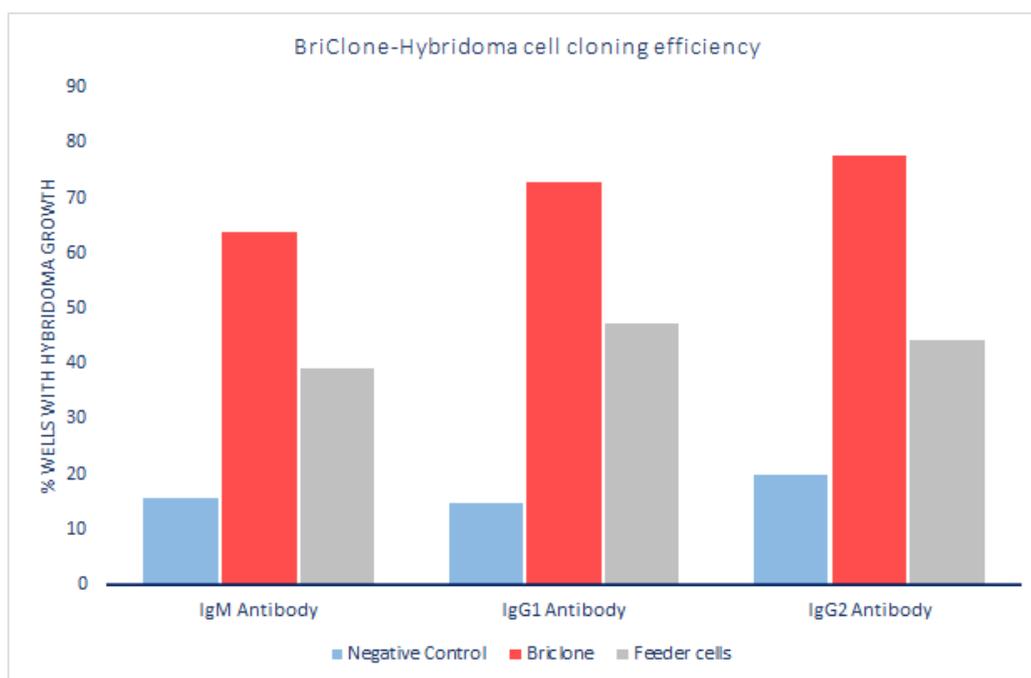
### Technical Data Sheet



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.



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



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### Origin of Components

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Dulbeccos Modified Eagle medium (DMEM): Non Animal Source

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

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### Volume

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20ml sample bottle

100ml bottle

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### Storage Condition

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Store at -20°C. Avoid repeated freeze/thaw cycles.

Stable for short periods at +4°C

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### Shelf Life

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See expiry date on the label. Stable for up to 15 months at -20°C and for up to 2 weeks at 4°C.

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### Sterility

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

Each batch is tested for absence of detectable microbial contamination, as follows:

- 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)

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### Quality Control Testing

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Each batch of BriClone is tested for its ability to support the outgrowth of hybridomas from freshly fused cells. Test cells used are SP2/O-Ag14 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.

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### Instructions for Use

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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)

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### General Considerations

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- 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.