biosera

Technical Data Sheet Date: 23/10/12

Product Code: LM-G2121

Description: Glasgow MEM BHK 21 w/ L-Glutamine w/o Tryptose Phosphate Broth

Theoretical pH:	7.5 ± 0.5
Osmolality:	310 ± 10% mOsm/kg
Colour:	Clear red solution
Storage conditions:	2 to 8°C in the dark
Shelf life:	12 months
Endotoxin:	<1 EU/ml
Sterility Tests	- Bacteria in aerobic and anaerobic conditions - Fungi and yeasts

Cell growth test
Medium tested for the ability to support L929 cell growth.

Composition
Available upon request

Recommended Use:
Use aseptic technique when handling or supplementing this medium.
Product is provided for laboratory use only, and not for drug, human or veterinary use.

Applications:
Glasgow Minimum Essential Medium was originally developed as a modification of Eagle's medium (BME). The modifications included adding 10% tryptose phosphate and twice the normal concentration of amino acids and vitamins. This medium was used to study the genetic factors affecting cell competence. Polyoma virus was used to transform four fibroblast clones from a culture of baby hamster kidney cells.
This medium is intended for use with adherent kidney cell lines such as baby hamster kidney cells (BHK).

Uses:
Supplements, such as antibiotics, should be added as sterile supplements to the medium. Storage conditions and shelf-life of supplemented product will be affected by the nature of the supplements. Sterile serum should not be refiltered before or after being added to sterile medium because growth promoting capacity may be reduced upon re-filtration.

Indication of Deterioration:
Medium should be clear and free of particulate and flocculent material. Do not use if medium is cloudy or contains precipitate.
Other evidence of deterioration may include colour change or degradation of physical or performance characteristics.