ClearLine	Technical data sheet Media Liquid	Ref : 509072

Medium 199
w/ Earle's Salts w/ Stable Glutamine w/ 25mM Hepes

Storage +2°C to +8°C, protected from light

Shelf life: 24 months

Composition: Displayed on website; also available on request

Colour: Red, clear solution

pH: 7.2 ± 0.3

Osmolality: 286 mOsm/kg ± 10%

Endotoxin: < 1 EU/ml

Sterility tests:
- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

Cell Growth test: Not applicable

Other tests: Not applicable

Recommended use:
- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall…)
- Sterile supplements (serum,…) should be aseptically added to sterile medium. The nature of the supplements may affect storage conditions and shelf life of the medium.

The product is intended to be used in vitro for research or further manufacturing only and not for use as an Active Pharmaceutical Ingredient or food or animal feed.

Application:
A long-term cultivation of cells required addition of a serum. When properly supplemented, Medium 199 has broad species applicability, particularly for cultivation of non-transformed cells. It is widely used in virology, vaccine production and in vitro cultivation of primary explants of mouse pancreatic epithelial and rat lens tissues.
The stable Glutamine prevents the intramolecular cyclization reaction associated with solutions of L-Glutamine. This derivative is therefore stable in solution and allows the formulation of cell culture media containing L-Glutamine that may be stored between +2°C and +8°C for extended periods. The dipeptide is metabolized within the cells to yield L-Glutamine plus a second amino acid

Uses:
BioWest recommend the addition of 10% of Fetal Bovine Serum in the medium.

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

Remarks: Not applicable