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| ClearLine | Technical data sheet<br>Media Liquid | Ref : 509073 |

# Minimum Essential Media
w/ Earle's Salts w/ L-Glutamine

**Storage** +2°C to +8°C

**Shelf life**: 12 months

**Composition**: Displayed on the website and in the catalog; also available on request.

**Colour**: Red, orange solution

**pH**: 7.3 ± 0.3

**Osmolality**: 302 mOsm/kg ± 10 %

**Endotoxin**: < 1 EU/ml

**Sterility tests**: method based on the European Pharmacopoeia
- bacteria aerobic-anaerobic
- bacteria strictly anaerobic
- fungi / yeast

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

**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…)

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**:
Minimum Essential Medium (MEM) with Earle's Balanced Salts is a modification of Eagle's earlier medium Basal Medium Eagle (BME), containing higher concentrations of the essential nutrients. These media have demonstrated the ability to support a variety of normal and transformed cells in culture and contain Earle's Balanced Salts, which make them suitable for use in atmospheres charged with $CO_2$ gas.

**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.

**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