

SMEM  
Minimum Essential Medium (1X), liquid  
For Suspension Cultures  
+ Earle's Salts  
- L-Glutamine

**Lot Number:** 3379983  
**Item Number:** 11380  
**Expiration Date:** 2028-03  
**Storage Temp:** 2 to 8C  
**Storage Instructions:** Protect from light

For Research Use or Further Manufacturing. Not for diagnostic use or direct administration into humans or animals.  
Sterile filtered (0.1 um)

TEST	TEST ID	SPECIFICATION	RESULT	UNITS
<b>Endotoxin Testing</b>	ENDO0007	Check and Record	<0.10	EU/mL
<b>Osmolality</b>	OSMO0002	280 - 330	300	mOsm/kg
<b>pH</b>	PH0003	7.0 - 7.4	7.1	
<b>Sp2 Toxicity Assay</b>	SP2TOX0001	Acceptable	Acceptable	
<b>Sterility Testing</b>	STERI0007	Negative	Negative	

Read SDS

GIBCO brand, Thermo Fisher Scientific cell culture liquid products are prepared by an aseptic process for which each step has been validated to ensure that all products meet the industry standard sterility assurance level of  $10^{-3}$ ; i.e. product that demonstrates a contamination level of no more than 1 of 1,000 units during the manufacturing process. The highest level of sterility assurance (equal to or greater than  $10^{-6}$ ) cannot be achieved without terminal sterilization which is harmful to the performance of cell culture products.

Quality Systems Department

Date: 01-Apr-2026

## References

- ENDO0007: Current United States Pharmacopeia, <85> Bacterial Endotoxins Test.
- OSMO0002: Thermo Fisher Scientific Specifications.
- PH0003: Thermo Fisher Scientific Specifications.
- SP2TOX0001: Thermo Fisher Scientific Specifications, Ref.: GIBCO Catalog. Cell Line Used: Sp2/O-Ag14 (ATCC No. CRL-1581). Test samples were evaluated for nutritional support of target cells utilizing the murine myeloma cell line Sp2/O-Ag14 (Sp2). Comparable growth rates of Sp2 cells in samples of complete test medium were obtained relative to parallel cultures grown in reference control medium.
- STERI0007: Current Edition of USP, Thermo Fisher Scientific Modified.