



Certificate of Analysis

**MesenPRO RS(TM) Basal Medium
For Mesenchymal Stem Cells
– L-Glutamine
Use with MesenPRO RS(TM) Growth
Supplement**

Catalog Number: 12747
Lot Number: 2081583

Storage Temperature: 2 to 8C
Storage Instructions: Store in the dark
Expiration Date: 2021-03

For Research Use or Further Manufacturing. Not for diagnostic use or direct administration into humans or animals.

TEST	SPECIFICATION	RESULT	UNITS
¹ Endotoxin Testing	<=1.0	<0.03	EU/mL
² MesenPRO RS Performance Assay	Acceptable	Acceptable	
³ Osmolality	>=280 to <=320	308	mOsm/kg
⁴ pH	>=6.9 to <=7.6	7.2	
⁵ Sterility Testing	Negative	Negative	

Notice: Effective 04JAN18, the Intended Use for this product has changed per ECR1038454. If you have questions regarding this change, please contact Thermo Fisher Scientific Technical Support at 1-800-955-6288 in North America or Techsupport@thermo.com globally.

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.

Use with MesenPRO RS(TM) Growth Supplement.

Quality Systems Department

Date: 09-Apr-2019

REFERENCES:

- 1 Current United States Pharmacopeia, <85> Bacterial Endotoxins Test.
- 2 Thermo Fisher Scientific Specification: Each lot of MesenPRO RS(TM) Basal Medium and Growth Supplement are tested as complete medium for its ability to expand human bone marrow derived Mesenchymal Stem Cells (MSC). Early passage MSC from four normal bone marrow donors were pooled and cryopreserved. Cells are seeded into 96-well plates and incubated. On day 4, the cells are assayed using the CyQUANT(R) NF fluorescent assay, and read on a Geminim EM fluorescent plate reader. Cell expansion in test and control media conditions are measured by the average fluorescence units and are found to be acceptable according to GIBCO internal specifications.
- 3 Thermo Fisher Scientific Specifications.
- 4 Thermo Fisher Scientific Specifications.
- 5 Current edition of USP.

EXAMPLE