

## Certificate of Analysis

KnockOut(TM) DMEM/F-12 1X

- HEPES

- L-glutamine

**Catalog Number:** 

Lot Number:

12660 2048089

Storage Temperature:

2 to 8C

Storage Instructions:

Protect from light

**Expiration Date:** 

2020-06

For research use only. Not for use in diagnostic procedures.

Sterile filtered (0.1 um)

EST	ST LCIFIC TION	RESULT	UNITS
<sup>1</sup> Endotoxin Testing	<= <sub>1</sub>	<0.03	EU/mL
<sup>2</sup> Osmolality	>= <sub>2</sub> 70 to <=290	278	mOsm/kg
³ pH	7.0 to <=7.4	7.3	
<sup>4</sup> Sp2 Toxicity Assay	Acceptable	Acceptable	
<sup>5</sup> Sterility Testing	Negative	Negative	

**Quality Systems Department** 

Date: 27-Dec-2018

## **REFERENCES:**

Read SDS

- 1 Current United States Pharmacopeia, <85> Bacterial Endotoxins Test.
- 2 Thermo Fisher Scientific Specifications.
- Thermo Fisher Scientific Specifications. 3
- Thermo Fisher Scientific Specifications, Ref.: GIBCO Catalog. Cell Line Used: Sp2/0-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.
- Current Edition of USP, Thermo Fisher Scientific Modified.