



## Certificate of Analysis

**CTS(TM) Essential 8(TM) Basal Medium  
DMEM/F12 (HAM) (1:1)  
[+] 15mM HEPES  
[+] L-Glutamine  
[+] Sodium Bicarbonate at 1.743 g/L**

**Catalog Number:** A26559  
**Lot Number:** 2039278

**Storage Temperature:** 2 to 8C  
**Storage Instructions:** Protect from light  
**Expiration Date:** 2019-10

For Research Use or Manufacturing of Cell, Gene, or Tissue-Based Products. **Caution:** Not intended for direct administration into humans or animals.

TEST	SPECIFICATION	RESULT	UNITS
<sup>1</sup> Endotoxin Testing	<=0.5	<0.03	EU/mL
<sup>2</sup> Osmolality	=290 to <=340	316	mOsm/kg
<sup>3</sup> pH	=7.0 to <=7.4	7.2	
<sup>4</sup> Sp2 Toxicity Assay	>=80 to <=200	117	%
<sup>5</sup> Sterility Testing	Negative	Negative	

Read SDS.

*Meghan May*

Quality Systems Department

Date: 09-Nov-2018

### REFERENCES:

- 1 Current United States Pharmacopeia, <85> Bacterial Endotoxins Test.
- 2 Thermo Fisher Scientific Specifications.
- 3 Thermo Fisher Scientific Specifications.
- 4 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.
- 5 Current edition of USP.