



## Certificate of Analysis

**Iscove's Modified Dulbecco's Medium, powder  
with L-glutamine  
with 25 mM HEPES buffer  
without sodium bicarbonate**

**Catalog Number:** 12200  
**Lot Number:** 2298065

---

Storage Temperature: 2 to 8C  
Storage Instructions: Dark and dry  
Expiration Date: 2023-07  
Originated From: 2246548\_P01/4302200

---

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

---

TEST	SPECIFICATION	RESULT	UNITS
<sup>1</sup> Endotoxin Testing	Check & Record	<0.05	EU/mL
<sup>2</sup> Osmolality	>=270 to <=300	286	mOsm/kg
<sup>3</sup> pH before additions	>=4.6 to <=5.0	4.8	
<sup>4</sup> Solubility	Acceptable	Acceptable	
<sup>5</sup> Sp2 Toxicity Assay	Acceptable	Acceptable	

Read SDS

Quality Systems Department

Date: 31-Mar-2021

### 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.
- 5 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.