

CERTIFICATE OF ANALYSIS

Product name:	DMEM (1X) (Low Glucose, with L-Glutamine, Phenol Red and Sodium Pyruvate)	Catalogue No.:	RBDMEM02
Batch No.:	DMEM021X00125	Storage	2–8°C;
AR No.:	FPQC/24-25/019	Conditions:	protect from light
Mfg. Date:	March 2025	COA No.:	COA/24-25/020
		Expiry Date:	March 2026

Test	Specifications	Results
Appearance	Clear, coloured liquid	Complies
pH	7.0–7.6	7.03
Osmolality	285–348 mOsm/kg	336 mOsm/kg
Sterility ¹	Sterile	Complies
Endotoxin ²	< 1.0 EU/mL	< 0.14 EU/mL
Cell Growth Test ³	Passes	Complies
Mycoplasma ⁴	Negative	Complies

The product, DMEM (1X) (Low Glucose, with L-Glutamine, Phenol Red and Sodium Pyruvate), Batch no. DMEM021X00125 has been tested. All the test parameters comply with the acceptance criteria.

Date of Release: 24/03/2025



Quality Control Department

Date: 24/03/2025

Note:

- For research or further manufacturing of cell, gene, or tissue-based products only. Not intended for direct administration into humans or animals.
- Manufactured in a cGMP-compliant facility under the ISO 13485:2016 standards using Animal Origin-Free (AOF) components.

¹ Sterility Testing (Bacterial and Fungal) carried out in accordance with < USP 71 >

² Bacterial Endotoxin Testing carried out in accordance with < USP 85 >

³ Cell Growth Test: Medium is tested for its ability to support the growth of HeLa cells. A total of 2.5×10^4 cells/well are seeded in complete test medium (DMEM low glucose + 10% FBS) in a 96-well plate (in triplicates) and incubated at 37°C in a CO₂ incubator for up to 72 hours. Morphology and cell growth are assessed qualitatively by microscopic examination and quantitatively by estimating cell counts at 24-hour intervals. The HeLa cells should proliferate and show confluent growth in the complete test medium to be acceptable.

⁴ Mycoplasma Test carried out using a Real Time PCR-based kit to amplify target DNA sequences common to a variety of mycoplasmas.



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By RESOLVE

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