

Certificate of analysis

DMEM low-glucose

BB-SAMPLE-COA-DMEM-LOW-GLUCOSE-1X-NAHCO3
Revision 2026-09-20.7 · 2026-09-20

Certificate field	Details
Lot	SAMPLE-DMEM-LG-204
Bottle SKU	MD-LIQ-DMEM-LOW-GLUCOSE-1X-NAHCO3-500ML
Formulation revision	2026-09-20.4

Results

Test	Method	Specification	Result
Appearance	Visual inspection	Clear, colorless to pale yellow; no visible particles	Clear, pale yellow; no visible particles
Bacterial endotoxins (LAL)	Pyrosate; gel-clot LAL	<0.25 EU/mL	<0.25 EU/mL
Mycoplasma	MycoStrip 2.0; isothermal amplification with strip detection	Not detected	Not detected
Osmolality	Freezing-point osmometry	310–340 mOsm/kg	326 mOsm/kg
Sterility	Tryptic soy agar (TSA) plates; 48 h	No growth	No growth
Conductivity	Conductivity meter at 25 °C	Report result	15.4 mS/cm
Cell growth performance	NIH 3T3 viable cell yield at 72 h; matched glutamine supplementation and reference	Viable yield 80–120% of reference; viability ≥90%	Yield 97% of reference; viability 96%
pH	Calibrated electrode at 22 °C; defined air exposure	7.0–7.4 pH units at 20–25 °C	7.22
Glucose concentration	Enzymatic assay	0.9–1.1 g/L as supplied	0.99 g/L