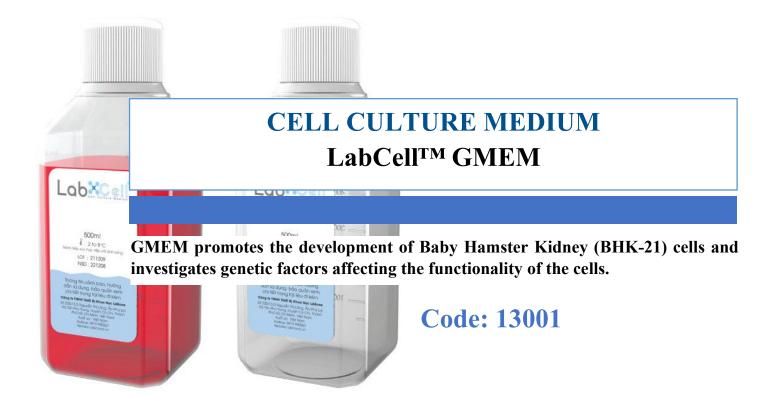




Issue date: 02/01/2025 Version: 01.2025



Cell Culture Medium LabCell™

BacterLab |SO 13485 | ISO 9001 INSTRUCTION FOR USE



1. INTENDED USE

LabCellTM GMEM is a medium that promotes the growth of Baby Hamster Kidney (BHK-21) cells and supports research on genetic factors influencing cell functionality. GMEM is free of proteins, lipids, and growth factors, requiring the addition of 10% tryptose phosphate broth. If the buffer is sodium bicarbonate (2.75 g/L), 5–10% CO₂ needs to be supplied to the environment to maintain the physiological pH of the cells..

2. TYPICAL COMPOSITION

For 1 liter of medium (reference)

Component	Concentration (mg/L)	
L-Cystine dihydrochloride	0.03129	
L-Glutamine	0.292	
L-Histidine hydrochloride monohydrate	0.021	
L-Isoleucine	0.0524	
L-Leucine	0.0524	
L-Lysine hydrochloride	0.0731	
L-Methionine	0.015	
L-Phenylalanine	0.033	
L-Tyrosine	0.0362	
L-Threonine	0.0476	
L-Tryptophan	0.008	
L-Valine	0.0468	
Calcium-D(+) pantothenate	0.002	
Choline chloride	0.002	
Pyridoxal hydrochloride	0.002	
Folic acid	0.002	
Myo-Inositol	0.0036	
Nicotinamide	0.002	
Riboflavin	0.0002	
Thiamine hydrochloride	0.002	
Phenol red	0.015	
Glucose anhydrous	4.5	
Calcium chloride anhydrous	0.2	
Iron(III) nitrate nonahydrate	0.0001	
Magnesium sulfate anhydrous	0.09767	
Potassium chloride	0.4	
Sodium chloride	6.4	
Sodium dihydrogen phosphate monohydrate	0.1078	

pH of the ready-to-use medium at $25^{\circ}C$: 7.5 ± 0.3

3. PREPARATION

The environmental plates are ready-to-use, no preparation required.

4. INSTRUCTIONS FOR USE



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Use depends on the user's purpose

5. QUALITY CONTROL

BacterLab performs quality control on each product batch.

Parameter	Standard	Result
Sterility	No bacterial growth after incubation at 35 – 37°C for 18 – 24 hours	Pass

6. STORAGE AND TRANSPORT CONDITIONS

- Storage: $2 - 8^{\circ}$ C.

- Transportation: 2 - 8°C

7. PACKAGING

- Packaging: 500mL/ bottle or as per customer request.

8. EXPIRATION DATE

- Expiration date: 24 months from the production date