

Product sheet

BGM | 302158

General information

Description	BGM (Buffalo Green Monkey) is a cell line derived from the kidney of Cercopithecus aethiops. It is a continuous cell line that grows in the presence of 10% FBS. It is a non-adherent cell line that grows in suspension. It is a non-tumorigenic cell line that is suitable for research purposes.
Organism	Primate
Tissue	Kidney
Applications	Cell culture, research, drug screening
Synonyms	BGM, BGMK, Buffalo Green Monkey Kidney

Characteristics

Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent

Documentation and references

Citation	BGM (Buffalo Green Monkey Kidney) Cytion 302158
Biosafety level	1
NCBI_TaxID	60710
CellosaurusAccession	CVCL_4125

Media and supplements

Media

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (Cytion 820100a)
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Supplements 10% FBS & 1% NEAA

Dissociation Reagent Trypsin

Subculturing Cells are grown in 96-well plates in DMEM supplemented with 10% FBS and 1% NEAA. For passaging, cells are trypsinized and seeded into new plates. T25, 75, and 150 cm² flasks are used for large scale cultures. 3 passages are allowed before freezing.

Freeze medium DMEM supplemented with 10% FBS and 10% DMSO. Cells are seeded into freezing vials and frozen at -80°C.

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a water bath at 37°C. Transfer cells to a centrifuge tube and centrifuge at 300 x g for 5 minutes. Remove supernatant and resuspend cells in DMEM supplemented with 10% FBS and 1% NEAA. Seed cells into a 96-well plate.
 2. Incubate cells for 24 hours at 37°C. After 24 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.
 3. After 48 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.
 4. After 72 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.
 5. After 96 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.
 6. After 120 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.
 7. After 144 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.
 8. After 168 hours, replace the medium with DMEM supplemented with 10% FBS and 1% NEAA.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Cells are trypsinized and seeded into freezing vials. The vials are frozen at -80°C.

Shipping Conditions Cells are shipped at -80°C.

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**Storage
Conditions**

Store at 2-8°C. Do not freeze. The product is stable for 12 months at 2-8°C. After opening, use immediately. Do not store at -150 to -196°C. Do not store at room temperature.

Do not use if the seal is broken or if the product is not clear.

Sterility

The product is sterile and ready to use for PCR amplification.

Do not use if the seal is broken or if the product is not clear.