

Product sheet

GM12878 | 305439

General information

Description	GM12878 is a cell line derived from a patient with Epstein-Barr virus (EBV) infection. It is a B cell line that has been immortalized and is used for studying EBV infection and its effects on B cells. GM12878 is a B cell line that has been immortalized and is used for studying EBV infection and its effects on B cells. GM12878 is a B cell line that has been immortalized and is used for studying EBV infection and its effects on B cells.
Organism	Human
Tissue	B cell
Synonyms	GM-12878

Characteristics

Age	Adult
Gender	Female
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	GM12878 (ATCC CCL-221) Cytion 305439
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_7526

Associated viruses

Viruses	Epstein-Barr virus (EBV)
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Mutational profile CYP2C19, p.Pro227Pro (c.681G>A)

Cell Line

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 15% FBS

Subculturing 5-6 passages

Post-Thaw Recovery 24 hours

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a water bath at 37°C.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 15 ml of culture medium.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate cells at 37°C in 5% CO₂.
6. Harvest cells when they reach 70-80% confluency.
7. Seed cells into a T75 flask at 10% confluency.
8. Harvest cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

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Freezing Procedure [redacted] -78°C

Shipping Conditions [redacted] -78°C

Storage Conditions [redacted] -150 to 196

[redacted] / [redacted] / HLA

Sterility [redacted]
[redacted]