

Product sheet

U-118 MG | 300362

Product Information

Description	U-118 MG (U-87 MG, U-138 MG & U-373 MG) J. Ponten
Organism	
Tissue	
Disease	
Synonyms	U-118 MG, U-118-MG, U118-MG, U118MG, U118, 118 MG, 118MG

Subject Information

Age	47
Gender	
Ethnicity	
Morphology	
Growth properties	

Identification

Citation	U-118 MG (Cytion 300362)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0633

Antigen Expression

Antigen expression	A, Rh+, HLA Aw24, A28, B12, Bw47
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U-118 MG | 300362

Isoenzymes Me-2, 1, PGM3, 2, PGM1, 2, ES-D, 1, AK-1, 1-2, GLO-1, 1-2, G6PD, B, α -glucuronidase 0.0001

Tumorigenic No, non-tumorigenic

Karyotype 46, XY, normal male karyotype (40% normal karyotype, 60% normal karyotype)
 M16, M17 t(10q,22q), 6 chromosomes missing 10 chromosomes missing 7, 8, 12, 19, 20 22 chromosomes missing

Media

Culture Medium DMEM, w: 4.5 g/L glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM sodium pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are cultured in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized with 0.25% trypsin-EDTA (Cytion 820300a) for 5-10 minutes at 37°C. Cells are then washed with PBS and resuspended in DMEM supplemented with 10% FBS.

Seeding density 2×10^4 cells/cm²

Fluid renewal 2-3 times per week

Freeze medium DMEM supplemented with 10% FBS, 10% DMSO, 10% CM-1 (Cytion 800100)

U-118 MG | 300362

Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Monitor the cells for attachment and growth. Change the medium after 24-48 hours.
4. Once the cells are established, passage them into a new flask when they reach 70-80% confluency.
5. Use a pipette to transfer 15 mL of medium from the flask to a 15 mL centrifuge tube.
6. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 1 mL of medium.
7. Seed the cells into a new flask containing 10 mL of medium. Incubate at 37°C with 5% CO₂.
8. Repeat the process for subsequent passages.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating Cell culture medium, 1-2 hours

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, aliquot into vials, store at -80°C

Shipping Conditions Store at -80°C, ship on dry ice

Storage Conditions Store at -150°C for 196 days

HLA

Sterility Sterilize medium and reagents, use aseptic technique, PCR screening for mycoplasma

U-118 MG | 300362

HLA

A*: '24:02:01, '29:02:01

B*: '39:06:02, '44:03:01

C*: 07:02:01, 16:01:01

DRB1*: '07:01:01, '08:01:01G

DQA1*: '02:01:01, '04:01:01

DQB1*: '02:02:01, '04:02:01

DPB1*: '04:02:01, '11:01:01

E: 01:01, 01:03