

**U-118 MG | 300362**

<b>Description</b>	J. Ponten	1966	1969	U-87MG	U-138MG	U-373 MG
<b>Organism</b>						
<b>Tissue</b>						
<b>Disease</b>						
<b>Metastatic site</b>	Not applicable (primary intracranial tumor; no distant metastasis)					
<b>Applications</b>	Glioblastoma/astrocytoma research; glial tumor biology; radiation sensitivity; chemotherapy evaluation (temozolomide, CCNU); EGFR pathway analysis; NF-κB signalling; preclinical CNS tumor modeling					
<b>Synonyms</b>	U-118	U-118	U118	U118	U118 118	118
<b>Age</b>	47					
<b>Gender</b>						
<b>Ethnicity</b>						
<b>Morphology</b>						
<b>Cell type</b>	Glial cells (astrocytic)					
<b>Growth properties</b>						
<b>Citation</b>	U-118 MG Cytion 300362					
<b>Biosafety level</b>	1					
<b>NCBI_TaxID</b>	9606					

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**CellosaurusAccession** CVCL\_0633

**GMO Status** No genetic modification; wildtype glioma cell line isolated by J. Ponten et al. (1966–1969)

**Antigen expression** A Rh+ HLA A\*24 A\*28 B\*12 Bw\*47

**Isoenzymes** Me-2 1 PGM3 2 PGM1 2 ES-D 1 AK-1 1-2 GLO-1 1-2 G6PD B 0.0001

**Tumorigenic**

**Karyotype** 7 8 12 19 20 22 40% 5 6 x 110 115 Y 14 t(1p,2p) t(3p,?) t(4p,11q) t(7p,22q) M6

**Culture Medium** DMEM w 4.5 / w 4 L- w 3.7 / NaHCO3 w 1.0 Cytion 820300a

**Supplements** 10% FBS

**Dissociation Reagent** Accutase

**Doubling time** approx. 36 to 48 hours

**Subculturing** PBS T25 3-5 PBS T75 5-10 Accutase T25 1-2 T75 2.5

**Split ratio** 1 to 3

**Seeding density**  $2 \times 10^4$  /

**Fluid renewal** 2 3

**Post-Thaw Recovery** After thawing, plate the cells at  $5 \times 10^4$  cells/cm<sup>2</sup> and allow at least 24 hours for adherence before the first medium change.

**Freeze medium** 50% + 40% FBS + 10% DMSO CM-1 Cytion 800100

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Thawing and Culturing Cells				
1.				
2.		-150°C		3
3.		37°C	40-60	
4.			70%	
5.		8	15	
6.	300 x g	3		
7.	10		T25	T25
8.				

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating**

**Freezing Procedure** -78 °C

**Shipping Conditions** -78 °C

**Storage Conditions** -150 -196 -80 °C

/ /HLA

**Sterility** PCR

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**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