Product sheet

خلية U251 MG/TMZ | 305884

معلومات عامة

Description	U251 MG/TMZ [illegible] U251 MG [illegible] [illegible] TMZ [illegible] U251 MG/TMZ [illegible] O6-methylguanine-DNA methyltra PI3K/AKT [illegible] MAPK [illegible] NF-κB [illegible] STAT3 [illegible] [illegible] U251 MG/TMZ [illegible] TMZ IC50 [illegible]
Organism	[illegible]
Tissue	[illegible]
Disease	[illegible]
Metastatic site	Primary tumor site (brain)
Applications	Glioblastoma TMZ resistance research; acquired chemoresistance mechanisms; MGMT overexpression; DNA mismatch repair pathway; PI3K/AKT/MAPK/NF-κB pro-survival signaling; evaluation of agents overcoming TMZ resistance; GBM recurrence modeling; resistance biomarker discovery
Synonyms	U-251MG, U-251-MG, U-251-MG, U-251_MG, U251-MG, U251MG, U-251, U251, U251n, U251N, U251N, 251 MG, 251MG

الخلفية

Age	75 [illegible]
Gender	[illegible]
Ethnicity	[illegible]
Morphology	[illegible]
Cell type	Glial cells (astrocytic)
Growth properties	[illegible]

البيانات التنظيمية

خلية U251 MG/TMZ | 305884

Citation	U251 MG/TMZ (□□□ □□□□□□ Cytion 305884)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	Not assigned (U251 MG/TMZ is a selected TMZ-resistant subline; parental U251 MG CVCL_0021)
GMO Status	No genetic modification; TMZ resistance acquired by stepwise selection under increasing TMZ concentrations (non-engineered phenotype)

الخصائص البيولوجية للخلايا

Tumorigenic	SMRV: □□□□□ □□□ □□ □□□□□ □□□□□ □□□□ □□□□□□□□□□ □□□□□□□ □□ □□□□ □□□□□□
Mutational profile	□□□□□ □□ TMZ

المنطقة

Culture Medium	DMEM□ □: 4.5 □□/□□ □□□□□□ □: 4 □□□□□ □□□□□□□ □: 3.7 □□/□□ NaHCO3□ □: 1.0 □□□□□ □□□□□ □□□□□□ (□□□ □□□□□ 820
Supplements	□□□ □□□ □□□□ 10□ FBS □ 50 □□□□□□ □□ □□□□□□□□□ (TMZ)
Dissociation Reagent	□□□□□
Doubling time	approx. 36 to 48 hours (TMZ-resistant sublines often proliferate slower than parental)
Split ratio	1 to 3
Seeding density	1 to 3 × 10^4 cells/cm^2
Fluid renewal	2 to 3 times per week
Freeze medium	□□□□ □□□□ □□□□□ □□□□ □□□ □□□ □□□ + 10% DMSO □□□□ □□□ □□□□ □□□□ □□□ □□□ □□□□.

Product sheet

خلي U251 MG/TMZ | 305884

Thawing and Culturing Cells	1. [illegible] 2. [illegible] -150 [illegible] 3. [illegible] 37 [illegible] 4. [illegible] 70% [illegible] 5. [illegible] 15 [illegible] 8 [illegible] 6. [illegible] 200 × [illegible] 5 [illegible] 7. [illegible]
Incubation Atmosphere	37 [illegible]
Flask Coating	[illegible]
Shipping Conditions	[illegible] -78 [illegible]
Storage Conditions	[illegible] -150 [illegible] -196 [illegible]

مراقبة الجودة / الملف الوراثي / HLA