

CLS-138 | 400177

CLS-138

Description	CLS-138 is a cell line derived from NMRI, which is a murine melanoma cell line. CLS-138 is a cell line derived from NMRI, which is a murine melanoma cell line. CLS-138 is a cell line derived from NMRI, which is a murine melanoma cell line. CLS-138 is a cell line derived from NMRI, which is a murine melanoma cell line. CLS-138 is a cell line derived from NMRI, which is a murine melanoma cell line.
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Organism	Murine
Tissue	Skin
Disease	Melanoma

CLS-138

Breed/Subspecies	NMRI
Age	Adult
Gender	Male
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Adherent

CLS-138

Citation	CLS-138 (Cytion 400177)
Biosafety level	1
NCBI_TaxID	10090

CellosaurusAccession CVCL_5726

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CLS-138-400177

Tumorigenic Yes, tumorigenic

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

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in 25 cm² flasks in DMEM supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks at a density of 2×10^4 cells per flask. Media and cells are harvested at day 3 post-seeding.

Seeding density 2×10^4 cells per flask

Fluid renewal 3-5 times per week

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and seeded into a 25 cm² flask containing 10 mL of DMEM supplemented with 10% FBS. Media and cells are harvested at day 24 post-seeding.

Freeze medium Cells are harvested by trypsinization and centrifugation. The pellet is resuspended in freezing medium (DMEM + 10% FBS + 10% DMSO) and seeded into a 25 cm² flask.

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Thawing and
Culturing Cells

1. 将冻存管放入 37°C 水浴中快速解冻，避免反复冻融。解冻后将细胞悬液转移到含有 1-2 ml 完全培养基的离心管中，离心（300 x g，5 分钟）。弃去上清液，用完全培养基重悬细胞，并转移到细胞培养瓶中。
2. 将细胞悬液接种到含有 10-15 ml 完全培养基的细胞培养瓶中。将培养瓶置于 37°C、5% CO₂ 的培养箱中培养。
3. 每天观察细胞生长情况。当细胞达到 70-80% 汇合度时，可进行传代。
4. 将细胞悬液离心（300 x g，5 分钟），弃去上清液，用完全培养基重悬细胞。将细胞悬液接种到含有 10-15 ml 完全培养基的细胞培养瓶中。
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6. 每天观察细胞生长情况。当细胞达到 70-80% 汇合度时，可进行传代。
7. 将细胞悬液离心（300 x g，5 分钟），弃去上清液，用完全培养基重悬细胞。将细胞悬液接种到含有 10-15 ml 完全培养基的细胞培养瓶中。
8. 将细胞悬液接种到含有 10-15 ml 完全培养基的细胞培养瓶中。将培养瓶置于 37°C、5% CO₂ 的培养箱中培养。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

Freezing
Procedure

将细胞悬液离心（300 x g，5 分钟），弃去上清液，用冻存液重悬细胞。将细胞悬液分装到冻存管中，置于 -80°C 冰箱中冻存。

Shipping
Conditions

将冻存管放入冰袋中，置于 2-8°C 条件下运输。

Storage
Conditions

将冻存管放入冰袋中，置于 -80°C 条件下长期保存。

细胞特性

Sterility

细胞经过严格的质量控制，确保无菌。细胞培养过程中，应使用无菌操作技术，避免污染。