

Product sheet

MEL-CLS-4 | 300128

General information

| | |
|--------------------|--|
| Description | Cell line derived from BOW-G melanoma cells (CLS) established in 1998. |
| Organism | Human |
| Tissue | Melanoma |
| Disease | Melanoma |

Characteristics

| | |
|--------------------------|----------------|
| Age | Not applicable |
| Gender | Not applicable |
| Ethnicity | Not applicable |
| Growth properties | Adherent |

Identification and safety

| | |
|-----------------------------|--------------------------------------|
| Citation | MEL-CLS-4 (Cell Line Service 300128) |
| Biosafety level | 1 |
| NCBI_TaxID | 9606 |
| CellosaurusAccession | CVCL_6003 |

Genetic and phenotypic analysis

| | |
|---------------------------|--------------------------------|
| Tumorigenic | Yes |
| Viruses | Not applicable |
| Mutational profile | Wild-type BRAF, V600E mutation |

Product sheet

MEL-CLS-4 | 300128

Cell Line

Culture Medium DMEM 4.5 g/l, Glucose 4.5 g/l, L-Glutamine 3.7 g/l, NaHCO₃ 1.0 g/l, Penicillin 100 IU/ml, Streptomycin 100 µg/ml, Fungizone 0.025 µg/ml (8200)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:2 to 1:10 in DMEM + 10% FBS

Seeding density 1 × 10⁴ cells/cm²

Fluid renewal 3 times per week

Post-Thaw Recovery 1:10 in DMEM + 10% FBS, 48 hours

Freeze medium DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Dilute cells into DMEM + 10% FBS.
 3. Seed cells into a T75 flask.
 4. Incubate cells for 70% confluency.
 5. Pass cells into a T75 flask.
 6. Seed cells into a 300 × 300 mm flask.
 7. Incubate cells for 10 days.
 8. Harvest cells.

