

Product sheet

CC531 | 500387

General information

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | CC531 is a cell line derived from a patient with a melanoma. It is a highly tumorigenic cell line that grows in suspension. It is characterized by its ability to form large, dense colonies in culture. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a highly tumorigenic cell line that grows in suspension. It is characterized by its ability to form large, dense colonies in culture. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. |
| <b>Organism</b>    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tissue</b>      | Melanoma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Disease</b>     | Melanoma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>    | CC-531                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Genetic information

|                          |                    |
|--------------------------|--------------------|
| <b>Breed/Subspecies</b>  | WAG                |
| <b>Growth properties</b> | Highly tumorigenic |

Identification

|                             |                       |
|-----------------------------|-----------------------|
| <b>Citation</b>             | CC531 (Cytion 500387) |
| <b>Biosafety level</b>      | 1                     |
| <b>NCBI_TaxID</b>           | 10116                 |
| <b>CellosaurusAccession</b> | CVCL_0206             |

Characterization

|                    |                                  |
|--------------------|----------------------------------|
| <b>Tumorigenic</b> | Yes, highly tumorigenic, WAG-Rij |
|--------------------|----------------------------------|

Culture

|                       |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| <b>Culture Medium</b> | RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a) |
|-----------------------|----------------------------------------------------------------------|

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|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplements</b>                 | 10% FBS, 20 mM HEPES                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Dissociation Reagent</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Subculturing</b>                | 1. Add 100 µl of dissociation reagent to the well.<br>2. Incubate for 5 minutes.<br>3. Add 1 ml of PBS and pipette up and down to dissociate the cells.<br>4. Transfer the cell suspension to a new well.                                                                                                                                                                                                                               |
| <b>Seeding density</b>             | 1 x 10 <sup>4</sup> cells per well                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Fluid renewal</b>               | 2 x 3 days                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Post-Thaw Recovery</b>          | 1. Add 100 µl of thawing medium to the well.<br>2. Incubate for 48 hours.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Freeze medium</b>               | 10% FBS + 10% DMSO                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Thawing and Culturing Cells</b> | <ol style="list-style-type: none"><li>1. Thaw the vial in a 37°C water bath.</li><li>2. Add 1 ml of PBS to the vial and pipette up and down to mix the cells.</li><li>3. Add 100 µl of the cell suspension to a well.</li><li>4. Incubate for 24 hours.</li><li>5. Add 100 µl of fresh medium to the well.</li><li>6. Incubate for 3 days.</li><li>7. Add 100 µl of fresh medium to the well.</li><li>8. Incubate for 7 days.</li></ol> |
| <b>Incubation Atmosphere</b>       | 37°C, 5% CO <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Flask Coating**  
[Redacted text]

**Freezing Procedure**  
[Redacted text] -78°C

**Shipping Conditions**  
[Redacted text] -78°C

**Storage Conditions**  
[Redacted text] -150 °C 196 [Redacted text]

[Redacted text] / [Redacted text] / HLA

**Sterility**  
[Redacted text] PCR [Redacted text]  
[Redacted text]