

MC26 Colon-26 | 400156

General information

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | MC26 Colon-26, murine colorectal adenocarcinoma cell line, derived from BALB/c mice with N-Nitroso-N-methyl-N-ethyl-N-nitrosamine (MNU) induced colorectal cancer. MC26 Colon-26 is a highly tumorigenic cell line that grows as solid tumors in mice. It is characterized by its ability to form large, well-defined, and highly vascularized tumors. The cells are highly proliferative and have a high degree of tumorigenicity. MC26 Colon-26 is a highly tumorigenic cell line that grows as solid tumors in mice. It is characterized by its ability to form large, well-defined, and highly vascularized tumors. The cells are highly proliferative and have a high degree of tumorigenicity. |
| Organism    | Murine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tissue      | Colorectal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disease     | Colorectal cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms    | MC-26, MC26, MC26-26, MC26-26, C-26, C26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Characteristics

|                   |                      |
|-------------------|----------------------|
| Age               | 6 weeks              |
| Gender            | Male                 |
| Morphology        | Epithelial cells     |
| Growth properties | Highly proliferative |

Identification and documentation

|                      |                         |
|----------------------|-------------------------|
| Citation             | MC26-26 (Cytion 400156) |
| Biosafety level      | 1                       |
| NCBI_TaxID           | 10090                   |
| CellosaurusAccession | CVCL_0240               |

Characterization and tumorigenicity

|             |                           |
|-------------|---------------------------|
| Tumorigenic | Highly tumorigenic Balb/c |
|-------------|---------------------------|

Product sheet

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**Viruses** MAP, Herpesvirus, Adenovirus, Rotavirus, K, Poliovirus, Reo 3, PVM, LCM, M.pulmonis, MVM, GD VII, H-1, H-2

Characteristics

**Culture Medium** RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Doubling time** 15 - 20 hours

**Subculturing** Cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. Cells are passaged by trypsinization and seeding into new flasks at a density of 1 x 10<sup>4</sup> cells per flask.

**Seeding density** 1 x 10<sup>4</sup> cells per flask

**Fluid renewal** 2 - 3 times per week

**Post-Thaw Recovery** Cells are thawed in a water bath at 37°C and seeded into a flask containing 10 ml of RPMI 1640 medium supplemented with 10% FBS. Cells are allowed to recover for 24 hours before use.

**Freeze medium** RPMI 1640 medium supplemented with 10% FBS and 10% DMSO (Cytion 820700a) + 10% DMSO (Cytion 820700a)

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Thawing and  
Culturing Cells

1. Remove the cells from the storage container and thaw them quickly in a water bath at 37°C. Do not shake the container.
2. Mix the cells thoroughly, then add the cells to a pre-warmed medium in a 150°C pre-warmed flask. Mix the cells thoroughly.
3. Seed the cells into a 37°C pre-warmed flask. Mix the cells thoroughly.
4. Add the cells to a pre-warmed medium in a 70% pre-warmed flask.
5. Seed the cells into a 15" x 8" x 8" pre-warmed flask.
6. Seed the cells into a 300 x g 3" x 3" pre-warmed flask. Mix the cells thoroughly.
7. Seed the cells into a 10" x 10" x 10" pre-warmed flask. Mix the cells thoroughly.
8. Seed the cells into a 10" x 10" x 10" pre-warmed flask. Mix the cells thoroughly.

Incubation  
Atmosphere

37°C, 5% CO<sub>2</sub>, humidified air

Flask Coating

Yes

Freezing  
Procedure

Remove the cells from the storage container and thaw them quickly in a water bath at 37°C. Do not shake the container.

Shipping  
Conditions

Remove the cells from the storage container and thaw them quickly in a water bath at 37°C. Do not shake the container.

Storage  
Conditions

Remove the cells from the storage container and thaw them quickly in a water bath at 37°C. Do not shake the container.

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Sterility

Remove the cells from the storage container and thaw them quickly in a water bath at 37°C. Do not shake the container.