

Product sheet

**MC26 Colon-26 | 400156**

**General Information**

<b>Description</b>	MC26 Colon-26, a murine colon adenocarcinoma cell line, derived from a BALB/c mouse with N-Nitrosomethylamine-induced colon cancer. It is a highly metastatic cell line that grows as a solid tumor in mice.
<b>Organism</b>	Mouse
<b>Tissue</b>	Colon
<b>Disease</b>	Colorectal cancer
<b>Synonyms</b>	MC-26, MC26, MC26.1, MC26.2, C-26, C26

**Characteristics**

<b>Age</b>	6 weeks
<b>Gender</b>	Male
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent

**References and Accession**

<b>Citation</b>	MC26-26 (ATCC CCL-226)   Cytion 400156
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	10090
<b>CellSaurusAccession</b>	CVCL_0240

**Experimental Data**

<b>Tumorigenic</b>	Highly tumorigenic in Balb/c mice
--------------------	-----------------------------------

Product sheet

Colon-26 | 400156

<b>Viruses</b>	MAP, K, Reo 3, PVM, LCM, M.pulmonis, MVM, GD VII, H-1
<b>Culture Medium</b>	RPMI 1640, w: 2.0 mM, w: 2.0 g/L NaHCO3 (Cytion 820700a)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	
<b>Doubling time</b>	15 - 20
<b>Subculturing</b>	T25, 3-5' PBS, 3
<b>Seeding density</b>	$1 \times 10^4$ - $4 \times 10^4$
<b>Fluid renewal</b>	2 - 3
<b>Post-Thaw Recovery</b>	24
<b>Freeze medium</b>	(FBS) + 10% DMSO

## Colon-26 | 400156

### Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
3. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
4. Seed the cells into a new flask containing 15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
5. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
6. Seed the cells into a new flask containing 15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
7. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
8. Seed the cells into a new flask containing 15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** None

**Freezing Procedure** Harvest cells into a pre-cooled tube. Add 1 mL of freezing medium. Store at -80°C.

**Shipping Conditions** Store at -80°C. Ship on dry ice.

**Storage Conditions** Store at -150°C for up to 196 months.

### Genotype / HLA

**Sterility** The cells are free of mycoplasmas and other contaminants. PCR screening is performed.