

Data Sheet

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BCRJ Code:	0402
Cell Line:	CT26.WT
Species:	Mus musculus
Vulgar Name:	Mouse/BALB/c
Tissue:	Colon
Cell Type:	Fibroblast
Morphology:	Fibroblast
Disease:	Carcinoma
Growth Properties:	Adherent
Derivation:	CT26 is an N-nitroso-N-methylurethane-(NNMU) induced, undifferentiated colon carcinoma cell line. It was cloned to generate the cell line designated CT26.WT.
Tumor Formation::	Yes, in BALB/c mice. Mice inoculated, subcutaneously, developed lethal tumors at 80% frequency with 10(3) cells and at 100% with 10(4) cells. Pulmonary metastases developed when mice were inoculated, intravenously, with 10(4) cells.
Products:	Antigen Expression: H-2d
Biosafety:	1
Culture Medium:	RPMI-1640 medium modified to contain 2 mM L-glutamine, 4500 mg/L glucose with fetal bovine serum to a final concentration of 10%.

Subculturing:

Volumes used in this protocol are for 75 cm² flask; proportionally reduce or increase amount of dissociation medium for culture vessels of other sizes. Remove and discard culture medium. Briefly rinse the cell layer with PBS without calcium and magnesium to remove all traces of serum that contains trypsin inhibitor. Add 1.0 to 3.0 mL of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until the cell layer is dispersed (usually within 5 to 15 minutes). Note: To avoid clumping do not agitate the cells by hitting or shaking the flask while waiting for the cells to detach. Cells that are difficult to detach may be placed at 37°C to facilitate dispersal. Add 6.0 to 8.0 mL of complete growth medium and aspirate cells by gently pipetting. Transfer cell suspension to centrifuge tube and spin at approximately 125 x g for 5 to 10 minutes. Discard supernatant and resuspend cells in fresh growth medium. Add appropriate aliquots of cell suspension to new culture vessels. Place culture vessels in incubators at 37°C. NOTE: For more information on enzymatic dissociation and subculturing of cell lines consult Chapter 12 in Culture of Animal Cells, a manual of Basic Technique by R. Ian Freshney, 6th edition, published by Alan R. Liss, N.Y., 2010.

**Subculturing Medium
Renewal:**

Every 2 to 3 days

**Subculturing
Subcultivation Ratio:**

1:4 to 1:10

Cryopreservation:

95% FBS + 5% DMSO (Dimethyl sulfoxide)

