

Product sheet

**RTE-2 | 500327**

**General Information**

<b>Description</b>	RTE-2 is a rat cell line derived from a rat fibroblast cell line, characterized by its ability to form colonies in soft agar and its tumorigenic potential. It is a clonal cell line established from a rat fibroblast cell line, characterized by its ability to form colonies in soft agar and its tumorigenic potential. RTE-2 is a rat cell line derived from a rat fibroblast cell line, characterized by its ability to form colonies in soft agar and its tumorigenic potential. It is a clonal cell line established from a rat fibroblast cell line, characterized by its ability to form colonies in soft agar and its tumorigenic potential.
<b>Organism</b>	Rattus norvegicus
<b>Tissue</b>	Fibroblast
<b>Synonyms</b>	RTE2, RTE 2, R2, R2.2, R2.2.2

**Characteristics**

<b>Breed/Subspecies</b>	Wistar-Kyoto
<b>Morphology</b>	Epithelial
<b>Cell type</b>	Epithelial
<b>Growth properties</b>	Adherent

**Identification**

<b>Citation</b>	RTE-2 (Rat Fibroblast Cell Line) Cytion 500327
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	10116
<b>CellosaurusAccession</b>	CVCL_5889

**Genetic Information**

<b>Tumorigenic</b>	Yes
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**References**

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**Culture Medium** DMEM, w: 4.5 g/L  $\beta$ -glucuronidase, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO<sub>3</sub>, w: 1.0 mM  $\beta$ -mercaptoethanol (Cytion 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Cells are cultured in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized with Trypsin (Cytion 820300a) for 3-5 min at 37°C. Cells are then washed with PBS and resuspended in DMEM supplemented with 10% FBS.

**Split ratio** 1:4 to 1:8

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

**Freeze medium** DMEM supplemented with 10% FBS, 10% DMSO (Cytion 820300a) + 10% FBS + 10% DMSO (Cytion 820300a), CM-1 (Cytion 820300a)

### Thawing and Culturing Cells

1. Thaw cells quickly in a 37°C water bath. Transfer cells to a pre-warmed medium.
2. Centrifuge cells at 300 x g for 3 min. Resuspend cells in 150 µl of medium.
3. Seed cells into a 37°C incubator.
4. Seed cells into a 70% confluent flask.
5. Seed cells into a 15 µl x 8 µl x 8 µl flask.
6. Seed cells into a 300 x g x 3 min x 10% FBS + 10% DMSO (Cytion 820300a) flask.
7. Seed cells into a 10 µl x 10 µl x 10 µl flask.
8. Seed cells into a 10 µl x 10 µl x 10 µl flask.

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

**Flask Coating** Cell culture medium

