

**GC-1 spg | 300375**

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**Description** GC-1 spg is a cell line derived from a rat fibroblast cell line (GC-1) and is stably transfected with a pSV3-neo vector. The cell line is characterized by its high growth rate and its ability to differentiate into various cell types. It is a good model for studying the effects of SV40 T-Antigen on cell growth and differentiation.

**Organism** Rat

**Tissue** Fibroblast

**Applications** Cell culture, differentiation studies, SV40 T-Antigen research

**Synonyms** GC-1spg, GC-1, GC-1, GC1-SPG

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**Breed/Subspecies** Wistar-Kyoto

**Age** 10 weeks

**Gender** Male

**Morphology** Fibroblast

**Cell type** Fibroblast

**Growth properties** High growth rate

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**Citation** GC-1 spg (ATCC CRL-2739) (300375)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_8872

**GMO Status** GMO-S1: GC-1 spg (ATCC CRL-2739) (GC-1 spg) stably transfected with SV40 T-Antigen (pSV3neo)

# Product sheet

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## Applications

**Viruses** Adenovirus 40 (SV40) T

## Media

**Culture Medium** DMEM 4.5 g/l, Glucose 4 g/l, NaHCO<sub>3</sub> 1.0 g/l (82)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** PBS, Trypsin

**Freeze medium** (10% FBS) + 10% DMSO

## Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Add 10% FBS to the culture medium.
3. Incubate cells in a 37°C incubator.
4. Add 70% of the culture medium to a new flask.
5. Incubate cells in a 37°C incubator.
6. Add 300 x 3 cells to a new flask.
7. Incubate cells in a 37°C incubator.
8. Add 10% of the culture medium to a new flask.

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

