

# GES-1

Cat. No. ARI0242,  $1 \times 10^6$  cells/vial

## Description

GES-1 is a human gastric epithelial cell line, established by infecting primary epithelial cells with SV40. These cells exhibit a homogeneous morphology in culture, with relatively large cell size and some have more than two nucleoli. Hybridization probe analysis confirmed that the SV40 Large T gene has indeed integrated into the genome of GES-1 cells, and indirect immunofluorescence staining of the T antigen shows clear nuclear expression. GES-1 cells are non-tumorigenic in nude mice. When they were inoculated subcutaneously into athymic nude mice observed for six months, no tumor formation was detected. GES-1 is an aneuploid cell line. GES-1 cells exhibit keratin reactivity, indicating that they originate from epithelial cells rather than fibroblasts. They also retain the microtubule and microfilament structures characteristic of normal gastric epithelial cells, and possess abundant cytoplasm.

## Specification

Cell Type: Epithelial cell line

Tissue/Organ: Stomach

Derived from Site: Stomach

Disease: N/A

Species: Homo sapiens (Human)

Genetic Background: N/A

Marker: N/A

Sex of Donor: Unknown

Age: Fetus (9 months)

Immortalization Method: Simian virus 40 (SV40)

## Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN<sub>2</sub>) cryopreservation.



## Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

## Culturing Guidance

Morphology: Epithelial-like

Growth Mode: Adherent

Temperature: 37°C

Atmosphere: 5% CO<sub>2</sub>

## Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.

If any damage is observed, notify Ascent Technical Support immediately.

2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).

Secondary option: -80°C mechanical freezer (short-term storage only).

Always maintain temperature strictly below -65°C.

## Disclaimer

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