A new and unique cell line for Cancer and Gastrointestinal Research

Gastrointestinal stromal tumors (GISTs) are one of the submucosal tumors which occur in the stomach, the small intestine and the esophagus, unlike most gastrointestinal tumors. GISTs are considered to arise from the interstitial cells of Cajal and pacemaker cells of the gut.

GIST-T1 is a cell line derived from the stomach wall of a Japanese woman. It was established by Takahiro Taguchi; associate professor at the Graduate School of Integrated Arts and Sciences, Kochi-University, Kochi, Japan.

General Information

- **Organism:** Homo sapiens, human
- **Tissue:** Stomach
- **Culture Properties:** Adherent
- **Biosafety:** Level 1
- **Gender:** Female
- **Ethnicity:** Asian
- **Virus Check:** HIV-1 (-), HTLV-1 (-), HBV (-), TCV (-), *T. pallidum* (-)
- **Quality Check:** Mycoplasma (-)

Product Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
<th>Quantity</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIST-T1 Culture Kit</td>
<td>PMC-GIST01-COS</td>
<td>1 kit</td>
<td>Medium: -20°C Cell: Liquid Nitrogen</td>
</tr>
<tr>
<td>• GIST-T1, cryopreserved</td>
<td></td>
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<tr>
<td>• Culture Medium</td>
<td>1.0x10^6 cells/vial</td>
<td>250 mL</td>
<td>*Culture Medium components: DMEM, FBS, antibiotic, etc.</td>
</tr>
<tr>
<td>GIST-T1 Culture Medium</td>
<td>PMC-GISTM-COS</td>
<td>500 mL</td>
<td>-20°C</td>
</tr>
</tbody>
</table>

Shipping: Dry Ice
Immunohistochemical and phase-contrast microscopic observation

A
Anti-CD34

B
Anti-c-kit

C
phase-contrast microscopic observation

Precautions

* Cells are derived from human tissue. Please wear gloves and safety glasses when working with them.
* Remove the cryovial from dry ice packaging and immediately place into liquid nitrogen storage until use.
* Based on the license agreement of Techno network Shikoku and Kochi University, GIST-T1 cells are prohibited to be provided (distribution, lending, transfer, licensing, etc.) to a third party.

Notification

* Please use the recommended media (Cat.no# PMC-GISTM-COS) for culturing of GIST-T1 cells.
* Using media other than what’s recommended will NOT be under the warranty.
* Since culture medium contains 10% of FBS, please confirm whether animal certificates are required for importing this product into your country.

References