

Product sheet

MEG-01 | 300482

MEG-01

**Description**  
MEG-01 is a cell line derived from a 55-year-old male patient with a diagnosis of Multiple Endocrine Neoplasia type 1 (MEN1). The cell line was established from a primary tumor and is maintained in DMEM/F12 supplemented with 10% FBS. MEG-01 is a neuroendocrine tumor cell line that expresses markers characteristic of MEN1, including insulinoma, gastrinoma, and paraganglioma. The cell line is characterized by its ability to form neuroendocrine tumors in vivo and its sensitivity to somatostatin analogs.

**Organism** Human

**Tissue** Tumor

**Disease** Multiple Endocrine Neoplasia type 1 (MEN1)

**Synonyms** Meg-01, MEG01, Meg01

MEG-01

**Age** 55 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Cell type** Neuroendocrine

**Growth properties** Adherent

MEG-01

**Citation** MEG-01 (MEN1) Cytion 300482

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0425

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Cell Line

<b>Antigen expression</b>	CD41+, CD61+, CDw14+
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Media

<b>Culture Medium</b>	RPMI 1640, w: 2.0 mM $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO <sub>3</sub> (Cytion 820700a)
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<b>Supplements</b>	10% FBS
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<b>Dissociation Reagent</b>	Trypsin
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<b>Subculturing</b>	Seed into 15 cm flasks in 10% FBS medium (3-5 flasks)
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<b>Freeze medium</b>	10% FBS + 10% DMSO
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Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath, transfer to a 15 cm flask with 10% FBS medium.
2. Centrifuge at 300 x g for 3 min, wash cells with PBS, resuspend in 10% FBS medium.
3. Seed cells into 15 cm flasks in 10% FBS medium.
4. After 24 hours, replace medium with fresh 10% FBS medium.
5. Seed cells into 8 cm flasks in 10% FBS medium.
6. Centrifuge at 300 x g for 3 min, wash cells with PBS, resuspend in 10% FBS medium.
7. Seed cells into 10 cm flasks in 10% FBS medium.
8. After 24 hours, replace medium with fresh 10% FBS medium.

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