

Product sheet

MEG-01 | 300482

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**Description** MEG-01 is a cell line derived from a 55-year-old female patient with a diagnosis of Multiple Myeloma. The cells were established by primary culture of bone marrow cells and are maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is characterized by a high degree of genetic instability and is highly tumorigenic in immunodeficient mice. MEG-01 cells express a monoclonal immunoglobulin heavy chain gene with a V<sub>H</sub>4-34 and J<sub>H</sub>4 rearrangement, and a kappa light chain gene with a V<sub>K</sub>1-33 and J<sub>K</sub>1 rearrangement. The cells are highly sensitive to proteasome inhibitors and are used as a model for studying the pathogenesis of multiple myeloma and the effects of novel therapies.

**Organism** Homo sapiens

**Tissue** Bone marrow

**Disease** Multiple Myeloma

**Synonyms** MEG-01, MEG01, MEG-01, MEG01

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**Age** 55 years

**Gender** Female

**Ethnicity** Caucasian

**Morphology** Clonal population of plasma cells

**Cell type** Plasma cell

**Growth properties** Adherent, suspension

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**Citation** MEG-01 (ATCC CCL-222) | 300482

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0425

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Antigen expression

CD41 + CD61 + CDW14 + CDW14 +

Culture Medium

RPMI 1640 2.0 ... NaHCO3 (820700a ...)

Supplements

10% FBS

Dissociation Reagent

15 ... PBS ...

Subculturing

Freeze medium

Thawing and Culturing Cells

- 1. ...
2. ...
3. ...
4. ...
5. ...
6. ...
7. ...
8. ...

Incubation Atmosphere

37 ...

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**Flask Coating**

**Freezing Procedure**

**Shipping Conditions**

**Storage Conditions**

/ / HLA

**Sterility**