

Product sheet

**KMS-12-BM | 300287**

**General Information**

<b>Description</b>	KMS-12-BM is a cell line derived from a patient with a B-cell acute lymphoblastic leukemia (ALL). The cell line is characterized by a t(11;14)(q13;q32) translocation, which results in the overexpression of the CD19/22 antigen. KMS-12-BM is a highly proliferative cell line that is sensitive to chemotherapy.
<b>Organism</b>	Human
<b>Tissue</b>	B-lymphocytes
<b>Disease</b>	B-cell acute lymphoblastic leukemia (ALL)
<b>Synonyms</b>	KMS 12 BM, KMS-12BM, KMS12-BM, KMS12BM, KMS-12, KMS12, KMS-12-BM, KMS12-BM, KMS-12-BM, KMS12-BM

**Characteristics**

<b>Age</b>	64 years
<b>Gender</b>	Female
<b>Ethnicity</b>	White
<b>Morphology</b>	Large, round cells with high nuclear to cytoplasmic ratio
<b>Cell type</b>	B-lymphocytes
<b>Growth properties</b>	Highly proliferative, sensitive to chemotherapy

**References and Safety**

<b>Citation</b>	KMS-12-BM (Cytion 300287)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1334



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**Thawing and  
Culturing Cells**

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.
5. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
6. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.
7. Incubate the cells at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
8. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.

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

**Flask Coating** None

**Freezing Procedure** Freeze the cells in a freezing medium at -80°C.

**Shipping Conditions** Ship the cells at -80°C.

**Storage Conditions** Store the cells at -150°C for up to 196 days.

**HLA**

**Sterility** The cells are free of mycoplasmas and other contaminants. PCR testing confirmed the absence of mycoplasmas.