

Product sheet

PA-1 | 300402

General information

<b>Description</b>	Human cell line derived from a patient with metastatic melanoma, established in 1971. It is a highly tumorigenic cell line that grows as a monolayer in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cells are characterized by their ability to form colonies in soft agar and their high tumorigenicity in nude mice.
<b>Organism</b>	Human
<b>Tissue</b>	Melanoma
<b>Disease</b>	Melanoma
<b>Metastatic site</b>	Metastatic
<b>Synonyms</b>	PA1, PA I, PAI

Characteristics

<b>Age</b>	12 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

References

<b>Citation</b>	PA-1 (ATCC CCL-222)   Cytion 300402
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0479

Additional information



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Thawing and Culturing Cells

1. Thaw the vial quickly 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. Seed the cells into a pre-warmed flask containing 150 ml of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
3. After 24 hours, check the cell density. If the density is low, add more cells to reach a concentration of 1 x 10<sup>6</sup> cells/ml.
4. Harvest the cells by centrifugation at 300 x g for 3 minutes. Wash the cells with PBS and resuspend in 70% ethanol.
5. Store the cells at -150°C in a cryovial. The vial should be labeled with the cell line name and the date of storage.
6. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
7. Seed the cells into a pre-warmed flask containing 10 ml of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
8. After 24 hours, check the cell density. If the density is low, add more cells to reach a concentration of 1 x 10<sup>6</sup> cells/ml.

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

**Flask Coating** None

**Freezing Procedure** Harvest cells by centrifugation at 300 x g for 3 minutes. Wash cells with PBS and resuspend in 100 µl of freezing medium. Store at -78°C.

**Shipping Conditions** Store at -78°C. Ship on dry ice.

**Storage Conditions** Store at -150°C for up to 196 weeks.

Genotype / HLA

**Sterility** The cells are free of mycoplasmas and PCR detectable. The cells are also free of endotoxins.

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**CSF1PO:** 9,12

**D13S317:** 9,1

**D16S539:** 9,9

**D5S818:** 11

**D7S820:** 9

**TH01:** 7,9

**TPOX:** 11

**vWA:** 15,17

**D3S1358:** 15,15

**D21S11:** 29,31.2

**D18S51:** 15,18

**Penta E:** 14,2

**Penta D:** 9,12

**D8S1179:** 14,15

**FGA:** 24,24