

J774A.1 | 400220

Strain ID

Description J774A.1 is a murine cell line derived from BALB/c/NIH mice. It is a fibroblast cell line that is highly proliferative and has been used in various studies. J774A.1 cells are highly sensitive to p-phenylenediamine (PPD) (LPS). J774A.1 cells are highly sensitive to RAW 264.7 cells. J774A.1 cells are highly sensitive to RAW 264.7 cells.

Organism Murine

Tissue Fibroblast

Disease None

Synonyms J-774A.1, J774A1, J774 A1, J774A.1, J 774A.1, J774 A.1

Strain Origin

Breed/Subspecies BALB/c

Age 12-16 weeks

Gender Male

Cell type Fibroblast

Growth properties Adherent

Strain Characteristics

Citation J774A.1 (Strain ID | Cytion 400220)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_0358

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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 warm to room temperature. Transfer the cells to a pre-warmed T25 flask containing 5 ml of complete medium. Gently mix the cells and incubate for 24 hours.
2. After 24 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.
3. After 48 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.
4. After 72 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.
5. After 96 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.
6. After 120 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.
7. After 144 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.
8. After 168 hours, check the cell density. If the cell density is $< 1 \times 10^5$ cells/ml, add 5 ml of complete medium to the flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating None

Freezing Procedure Harvest cells into a 15 ml falcon tube. Add 1 ml of freezing medium. Mix gently. Freeze at -80°C.

Shipping Conditions Store at -80°C. Ship on dry ice.

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

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable viruses.