

J774A.1 | 400220

General information

Description	J774A.1 is a murine myelomonocytic leukemia cell line derived from a BALB/c/NIH mouse. It is characterized by its ability to produce large amounts of IgM and to form colonies in semisolid media. J774A.1 cells are highly tumorigenic and can induce myelomonocytic leukemia in syngeneic mice. The cells are sensitive to p-phenylenediamine (PPD) and lipopolysaccharide (LPS). J774A.1 cells are also known for their ability to produce reactive oxygen species (ROS) and to induce apoptosis in target cells. J774A.1 cells are commonly used in immunology and cancer research.
Organism	Murine
Tissue	Myelomonocytic leukemia
Disease	Myelomonocytic leukemia
Synonyms	J-774A.1, J774A1, J774 A1, J774A.1, J 774A.1, J774 A.1

Characteristics

Breed/Subspecies	BALB/c
Age	Adult
Gender	Female
Cell type	Myelomonocytic
Growth properties	Adherent

Identification and safety

Citation	J774A.1 (Cytion 400220)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_0358

XXXXX J774A.1 | 400220

XXXXXXXX XXXX-XXXXXXXXXXXX

Receptors expressed	XXXXXXXXXXXX (Fc), XXXXX (C3)
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Products	XXXXXXXXXX-1 (XXXXXXXXXX 1, IL-1, LAF), XXXXXXX
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XXXXXX

Culture Medium	DMEM, w: 4.5 g/L XXXXXX, w: 4 mM L-XXXXXXX, w: 3.7 g/L NaHCO3, w: 1.0 mM XXXX XXXXXX (XXXX XXXXXX Cytion 820300a)
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Supplements	XXXX XXXX 10% FBS
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Dissociation Reagent	XXXXXX
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Subculturing	XXXX XXXX XX XXXXX XXXXXX XXXXX XXXX XXXX XX XXX XXXXXX XXXXXX XX 15 "X XXXXX XXXXXX XX XXXXX XXXXXX XX PBS XXX
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Seeding density	1 x 10 ⁴ ^{"X} XXXX/XX
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Fluid renewal	2 XX 3 XXXXX XXXXX
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Freeze medium	XXXXXXXX XXXXXX XXXXXX, XXX XXXXXX XXXXXX XXXXX XXXX (XXXX FBS) + 10% DMSO XXX XXXXXX XXXXXX XXXXX XXXXX XXXXXX, XXX C
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**Thawing and
Culturing Cells**

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
2. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
3. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
4. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
5. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
6. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
7. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
8. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

**Shipping
Conditions**

将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

**Storage
Conditions**

将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

细胞培养

Sterility

细胞悬液在37°C CO₂培养箱中培养，用于PCR扩增。细胞悬液在37°C CO₂培养箱中培养，用于PCR扩增。