

RF/6A | 305150

General information

Description	RF/6A is a cell line derived from the inner retina of the rhesus monkey (Macaca mulatta), established by explant culture of retinal tissue. RF/6A cells are highly proliferative and express markers characteristic of retinal pigment epithelial (RPE) cells, including melanin production and phagocytosis of photoreceptor outer segments (POS). RF/6A cells are used in research on RPE biology, retinal degeneration, and the effects of various growth factors and signaling molecules on RPE function.
Organism	Rhesus monkey
Tissue	Retina, RPE
Disease	Retinal degeneration (e.g., age-related macular degeneration)
Metastatic site	Not applicable (primary cell line)
Applications	Research on RPE biology, retinal degeneration, and the effects of various growth factors and signaling molecules on RPE function.

Characteristics

Age	Adult
Gender	Male and female
Ethnicity	Rhesus monkey (Macaca mulatta)
Morphology	Epithelial cells
Cell type	RPE cells
Growth properties	Adherent

Documentation

Citation	RF/6A (Cytion 305150)
Biosafety level	1
NCBI_TaxID	9544
CellosaurusAccession	CVCL_4552

RF/6A | 305150

GMO Status

XXXXXXXXXX XIX-XXXXXXXXXXXXXXXXXXXX

Protein expression  , 

XXXXXXXXXX

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (XXXXX XXXXXX Cytion 820100a)

Supplements ☒ ☒ ☒ ☒ 10% FBS ☒ 1% NEAA

**Dissociation
Reagent**

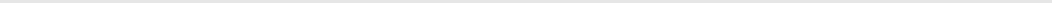
Doubling time ☒-24 ☒☒36 ☒☒☒☒☒☒

Subculturing

Split ratio 1 : 5

Seeding density $1 \times 2 \times 10^4$ seeds/m²

Fluid renewal 2 3

Post-Thaw Recovery 

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO (10% FBS) + 10% DMSO (10% FBS) + 10% DMSO (10% FBS)

RF/6A | 305150

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

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

Shipping
Conditions

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

Storage
Conditions

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

细胞培养

Sterility

细胞培养瓶经过严格的灭菌处理，确保无菌。PCR 扩增产物经过严格的灭菌处理，确保无菌。