

Product sheet

MIN-6 | 302148

MIN-6

Description
MIN-6 is a mouse cell line derived from a 13-day-old embryo of a C57BL/6J mouse. It is a fibroblast cell line that is used for the production of recombinant proteins. The cells are maintained in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS) and 100 ng/ml dexamethasone. The cells are typically grown in 25 cm² flasks.

Organism Mouse

Tissue Embryo

Disease None

Synonyms MIN-6, MIN-6, MIN-6

MIN-6

Breed/Subspecies C57BL/6 IT6

Age 13 days

Gender Male

Cell type Fibroblast

Growth properties Adherent

MIN-6

Citation MIN-6 (302148)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_0431

GMO Status GMO-S1: MIN-6 (MIN-6) SV40 T-Antigen

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Product description

Protein expression [REDACTED]

Viruses [REDACTED] 40 (SV40)

Media

Culture Medium DMEM [REDACTED] 4.5 [REDACTED] [REDACTED] 4 [REDACTED] [REDACTED] 3.7 [REDACTED] NaHCO₃ [REDACTED] 1.0 [REDACTED] [REDACTED] ([REDACTED] 82 [REDACTED]

Supplements [REDACTED] 15 [REDACTED] FBS [REDACTED] 50 [REDACTED] [REDACTED]

Dissociation Reagent [REDACTED]

Subculturing [REDACTED] PBS. [REDACTED] 0.025% [REDACTED]/0.02% EDTA [REDACTED]

Seeding density 5×10^4 [REDACTED]

Freeze medium [REDACTED] ([REDACTED] FBS) + 10% DMSO [REDACTED]

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 × g for 3 minutes. Wash the cells with pre-warmed medium.
3. Resuspend the cells in pre-warmed medium. Seed the cells into a pre-warmed flask.
4. Incubate the cells at 37°C in a 5% CO₂ atmosphere. Monitor cell growth.
5. When cells reach 70% confluence, passage them into a new flask.
6. Seed the cells at a density of 10⁵ cells per flask.
7. Incubate the cells at 37°C in a 5% CO₂ atmosphere.
8. Harvest the cells for analysis.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating Not required

Freezing Procedure Freeze cells in a freezing medium and store at -196°C.

Shipping Conditions Ship at -196°C.

Storage Conditions Store at -150°C to -196°C.

HLA

Sterility The cells are provided in a sterile, virus-free medium.