

Product sheet

NRK-52E | 305196

NRK-52E

Description
NRK-52E is a rat cell line derived from a 52-day-old rat embryo. It is a fibroblast cell line that grows in culture as a monolayer. The cells are characterized by their high proliferation rate and their ability to differentiate into various cell types. NRK-52E cells are commonly used in research to study cell growth, differentiation, and the effects of various treatments on cell behavior.

Organism Rat

Tissue Kidney

Synonyms NRK 52E, NRK52E, NRK 52E, NRK, NRK-52E, NRK-52E, NRK-E52

Characteristics

Breed/Subspecies Wistar-Kyoto

Morphology Fibroblast

Growth properties Adherent

Identification

Citation NRK-52E (ATCC CRL-1587) (305196)

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_0468

Media and supplements

Culture Medium

DMEM: DMEM:Ham's F12 (1:1) 3.1 mg/ml insulin, 2.5 mg/ml transferrin, 15 mg/ml selenium (15 mg/ml selenium)

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Supplements 10% FBS

Dissociation Reagent

Subculturing

Fluid renewal 2-3 times

Freeze medium (10% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 3 minutes.
 3. Wash cells with PBS.
 4. Resuspend cells in 70% FBS.
 5. Seed cells into a 15 cm dish.
 6. Incubate cells for 8 days.
 7. Harvest cells at 10 days.
 8. Store cells in a -80°C freezer.

Incubation Atmosphere 37°C

Flask Coating

Freezing Procedure -78°C

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Shipping Conditions [Redacted text] -78

Storage Conditions [Redacted text] -150 -196

[Redacted text] / [Redacted text] / HLA

Sterility [Redacted text] (PCR) [Redacted text]
[Redacted text]