

# NRK | 305195

## Description

NRK (Rattus norvegicus) is a rodent species commonly used in laboratory research. It is a member of the Muridae family and is known for its adaptability and ease of maintenance in a laboratory setting. NRK mice are typically used in studies related to genetics, immunology, and disease models. They are characterized by their white coat color and are bred in specific genetic backgrounds to facilitate research. NRK mice are available in various genotypes and are widely distributed in research institutions worldwide.

## Organism

NRK

## Tissue

NRK

## Synonyms

NRK, Rattus norvegicus

## Breed/Subspecies

NRK-001

## Age

NRK

## Morphology

NRK

## Growth properties

NRK

## Citation

NRK (Rattus norvegicus) 305195

## Biosafety level

1

## NCBI\_TaxID

10116

## CellosaurusAccession

CVCL\_3758

# NRK | 305195

**Culture Medium** DMEM 4.5 g/l, Glucose 4 g/l, Sodium Pyruvate 3.7 g/l, NaHCO<sub>3</sub> 1.0 g/l, Penicillin (100 U/ml), Streptomycin (100 U/ml), Fungizone (0.025 mg/ml)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Cells are harvested by trypsinization and washed with PBS. Cells are resuspended in fresh medium.

**Split ratio** 1:2 to 1:4

**Fluid renewal** 2 to 3 times per week

**Freeze medium** DMEM (10% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
  2. Dilute cells in 10 ml of fresh medium.
  3. Seed cells into a T25 flask.
  4. Incubate cells at 37°C in 5% CO<sub>2</sub>.
  5. Monitor cell growth and confluency.
  6. Harvest cells when 70-80% confluent.
  7. Wash cells with PBS.
  8. Harvest cells by trypsinization.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating** None

