

# Nuclear Extraction Kit

**Cat. No.** Kit-0635    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Nuclear Extraction Kit is a method for preparing nuclear extraction.

### Description

Preparation of nuclear extracts is the first step in examining transcription factor activity. This Nuclear Extraction Kit is formulated for the quick and simple isolation of nuclear and cytoplasmic fractions from cultured cells and tissue homogenates. The proteins isolated using this kit can also be used in electrophoretic mobility shift assays (EMSA) and western blotting applications.

### Usage

For research use only (RUO)

### Storage

This kit will perform as specified if stored as directed and used before the expiration date indicated on the outside of the box.

Item Storage

Nuclear Extraction Hypotonic Buffer (10X) 4°C

Nuclear Extraction Dithiothreitol (1 M) -20°C

Nuclear Extraction Protease Inhibitor Cocktail (100X) -20°C

Nuclear Extraction PBS (10X) 4°C

Nuclear Extraction Phosphatase Inhibitors (50X) -80°C

Nuclear Extraction Buffer (2X) 4°C

Nonidet P-40 Assay Reagent (10%) RT

### Kit Components

Nuclear Extraction Hypotonic Buffer (10X) 6 mL

Nuclear Extraction Dithiothreitol (1 M) 60 µL

Nuclear Extraction Protease Inhibitor Cocktail (100X) 650 µL

Nuclear Extraction PBS (10X) 100 mL

Nuclear Extraction Phosphatase Inhibitors (50X) 5 mL x 2

Nuclear Extraction Buffer (2X) 3 mL

Nonidet P-40 Assay Reagent (10%) 6 mL

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