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NUC101 ▶ Sigma-Aldrich.

Nuclei Isolation Kit: Nuclei EZ Prep

★★★★★ (0)

sufficient for 25 nuclei preparations (~1-10×10⁷ cells/preparation)

Synonyme(s):

Rapid mammalian nuclei isolation kit

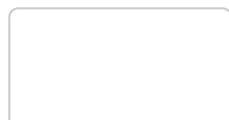
NACRES: NA.32

Référence	Conditionnement	Disponibilité	Prix	Quantité
NUC101-1KT	1 KIT	 Only 5 left in stock (more on the way)	Détails... 370,00 €	1 

[Demander une commande en gros](#)

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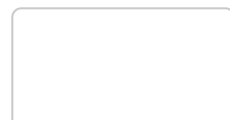
PRODUITS RECOMMANDÉS



Sigma-Aldrich

NUC201

Nuclei Isolation Kit: Nuclei PURE Prep



Sigma-Aldrich

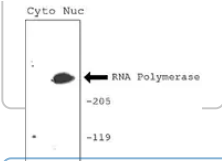
CELLYTPN1

CellLytic™ PN Isolation/Extraction Kit



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sufficient for 15 nuclei preparations (~1-10×10⁷ cells or 1g of tissue per preparation)



For plant leaves

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PROPRIÉTÉS

Utilisation	sufficient for 25 nuclei preparations (~1-10×10 ⁷ cells/preparation)
Niveau de qualité	200
Durée de conservation	1 yr at 2-8 °C
Conditionnement	pkg of 1 kit
application(s)	cell analysis
Activité étrangère	nuclease and protease, free
Expédié(e)s dans	wet ice
Temp. de stockage	2-8°C

Catégories apparentées

Cell Isolation Kits

DESCRIPTION

Description générale

The Nuclei EZ Prep Kit was developed for the rapid isolation of nuclei from mammalian cells. The kit provides a high yield of nuclei from commonly used cell types.

Application

Suitable as a source of nuclear components, to produce nuclei for *in vitro* apoptosis assays, and for functional studies.

Actions biochimiques/physiologiques

The protocol provides a high yield of nuclei from commonly used mammalian cells, including both adherent (e.g., HEK293 and COS7) and non-adherent (e.g., Jurkat and HFN7.1) cell lines and peripheral blood mononuclear cells (PBMCs). The preparations are suitable for many cell biology applications, e.g., as a source of nuclear components such as chromatin, genomic DNA, histones and nuclear RNA/RNP, produces nuclei for *in vitro* apoptosis assays, and functional studies such as examination of the transcriptional status of cells.

Autres remarques

All procedures should be carried out on ice or 2-8°C.

PRODUITS APPARENTÉS

Produit Apparenté

08168

Timestrip Plus™ 8 °C

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

10 - Combustible liquids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)**Rechercher**

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

Comment saisir un numéro de lot (COO)

Rechercher

Fiche D'informations Produit

Product Information Sheet - NUC101
FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



BAH136800040

Flowmi® Cell Strainers

porosity 40 µm, for 1000 uL Pipette Tips, pack of 50 ea

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Sigma-Aldrich

D9063

KIMBLE Dounce tissue grinder set

7 mL complete

Consulter le prix et la disponibilité

QUESTIONS FRÉQUEMMENT POSÉES (FAQ)

Which document(s) contains shelf-life or expiration date information for a given product?

If available for a given product, the recommended re-test date or the expiration date can be found on the Certificate of Analysis.

How do I get lot-specific information or a Certificate of Analysis?

The lot specific COA document can be found by entering the lot number above under the "Documents" section.

Can Product NUC101, Nuclei Isolation Kit, be used to capture soluble nuclear proteins?

The kit was originally designed to produce nuclei that are competent for transcription run-on/run-off assays to measure transcription from pre-engaged polymerase complexes on the nuclear DNA. It was not designed for the separation or isolation of soluble nuclear proteins. The researcher might be advised to try the NXTRACT nuclear extraction kit, which allows for the isolation of "intact" nuclei from other cellular components before the lysis of the nuclear membrane.

Can I use Product NUC101, Nuclei Isolation Kit, on frozen cells?

It is likely that the freezing and thawing processes will damage many of the cells and nuclei, which could lead to loss of nuclear components and/or contamination of the nuclei with cytoplasmic or other cellular components.

Should I use trypsin to harvest my adherent cells before using Product NUC101, Nuclei Isolation Kit?

In general, this is not advised. We have never tried detaching the cells first with trypsin. We would not recommend it, because residual trypsin could clip nuclear proteins and cause problems in downstream applications.

How do I find price and availability?

There are several ways to find pricing and availability for our products. Once you log onto our website, you will find the price and availability displayed on the product detail page. You can contact any of our Customer Sales and Service offices to receive a quote. USA customers: 1-800-325-3010 or view [local office numbers](#).

What is the Department of Transportation shipping information for this product?

Transportation information can be found in Section 14 of the product's (M)SDS. To access the shipping information for this material, use the link on the product detail page for the product.

My question is not addressed here, how can I contact Technical Service for assistance?

Ask a Scientist [here](#).

ARTICLES REVUS PAR DES PAIRS

Analysis of nuclear RNA, Chapter 14.

Robert E. Farrell, Jr., ed.

RNA Methodologies: A Laboratory Guide for Isolation and Characterization, 235-263 (1993)

Massively parallel single-nucleus RNA-seq with DroNc-seq.

Naomi Habib et al.

Nature methods, 14(10), 955-958 (2017-08-29)

Single-nucleus RNA sequencing (sNuc-seq) profiles RNA from tissues that are preserved or cannot be dissociated, but it does not provide high throughput. Here, we develop DroNc-seq: massively parallel sNuc-seq with droplet technology. We profile 39,111 nuclei from mouse and human

Mutually suppressive roles of KMT2A and KDM5C in behaviour, neuronal structure, and histone H3K4 methylation.

Christina N Vallianatos et al.

Communications biology, 3(1), 278-278 (2020-06-03)

Histone H3 lysine 4 methylation (H3K4me) is extensively regulated by numerous writer and eraser enzymes in mammals. Nine H3K4me enzymes are associated with neurodevelopmental disorders to date, indicating their important roles in the brain. However, interplay among H3K4me enzymes during

Hominin-specific regulatory elements selectively emerged in oligodendrocytes and are disrupted in autism patients.

Bas Castelijn et al.

Nature communications, 11(1), 301-301 (2020-01-18)

Speciation is associated with substantial rewiring of the regulatory circuitry underlying the expression of genes. Determining which changes are relevant and underlie the emergence of the human brain or its unique susceptibility to neural disease has been challenging. Here we

Nuclear GRP75 binds retinoic acid receptors to promote neuronal differentiation of neuroblastoma.

Yu-Yin Shih et al.

PloS one, 6(10), e26236-e26236 (2011-10-25)

Retinoic acid (RA) has been approved for the differentiation therapy of neuroblastoma (NB). Previous work revealed a correlation between glucose-regulated protein 75 (GRP75) and the RA-elicited neuronal differentiation of NB cells. The present study further demonstrated that GRP75 translocates into

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PROTOCOLES ET ARTICLES SCIENTIFIQUES

Articles

Organelle Isolation

The isolation of subcellular fractions by centrifugation is a commonly used technique and is widely applicable across multiple cell and tissue types. Because organelles differ in their size, shape, and density, centrifugation can be easily employed to separate and purify organelle fractions from...

PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

NS170

Phosphorylated Neurofilament (pNF-H) Sandwich ELISA Kit

The Phosphorylated Neurofilament H (pNF-H) kit is a sandwich enzyme immunoassay (EIA), which measures...

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Sigma-Aldrich

NPT01

NeuroPorter™ Transfection Kit

Lipid formulation for nucleic acid transfections in neuronal and glial cells

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Évaluations



Soyez le premier à donner votre avis sur ce produit

Questions

Soyez le premier à poser une question

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

Contactez notre Service technique

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