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Trypan Blue Solution, 0.4%

Trypan Blue Solution, 0.4%, is routinely used as a cell stain to assess cell viability using the dye exclusion Read more

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Catalog number 15250061

Price (EUR) / 100 ml

40,47

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often performed while counting cells with the hemocytometer during routine subculturing, but can be performed any time cell viability needs to be determined quickly and accurately. The dye exclusion test is based upon the concept that viable cells do not take up impermeable dyes (like Trypan Blue), but dead cells are permeable and take up the dye.

cGMP manufacturing and quality system

Trypan Blue Solution is manufactured at a cGMP-compliant facility located in Grand Island, New York. The facility is registered with the FDA as a medical device manufacturer and is certified to ISO 13485 standards.

For Research Use Only. Not for use in diagnostic procedures.

Specifications

Color	Blue
Cell Type	Mammalian Cells
Concentration	0.004
Detection Method	Colorimetric
Form	Liquid
Product Type	Trypan Blue
Shelf Life	36 Months
Sterility	Sterile-filtered
For Use With (Application)	Cell Counting
Green Features	Sustainable packaging
Quantity	100 mL
Shipping Condition	Room Temperature
Unit Size	100 ml

Contents & Storage

Storage conditions: 15 – 30°C
Shipping conditions: Ambient
Shelf life: 36 months from date of manufacture

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Flyer: Nunclon Supra surfaces for xeno-free hMSC culture

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FreeStyle 293 Expression System - for large-scale transfection of suspension 293 cells in a defined, serum-free medium

Isolation, Primary Culture, and Cryopreservation of Human Neonatal Fibroblasts

Thymidine Incorporation Assay Cell-Permeant Dyes

Transwell Migration Assay Cell-Permeant Dyes

Frequently asked questions (FAQs)

Why is trypan blue solution used to determine cell viability?

How long can cells be exposed to trypan blue before all cells are stained with the dye?

Prior to staining with trypan blue solution, do the cells need to be washed to remove the culture medium?

What causes trypan blue to form a precipitate?

Do you have a protocol for cell counting via trypan blue exclusion?

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Citations & References

Abstract

Bax and Bak independently promote cytochrome C release from mitochondria.

Authors: Degenhardt Kurt; Sundararajan Ramya; Lindsten Tullia; Thompson Craig; White Eileen;

Journal: J Biol Chem

PubMed ID: 11836241

'Pro-apoptotic Bax and Bak have been implicated in the regulation of p53-dependent apoptosis. We assessed the ability of primary baby mouse kidney (BMK) epithelial cells from bax(-/-), bak(-/-), and bax(-/-) bak(-/-) mice to be transformed by E1A alone or in conjunction with dominant-negative p53 (p53DD). Although E1A alone transformed BMK ... More

Hypoxia and Nitric Oxide Treatment Confer Tolerance to Glucose Starvation in a 5'-AMP-activated Protein Kinase-dependent Manner.

Authors: Esumi Hiroyasu; Izuishi Kunihiko; Kato Kazuyoshi; Hashimoto Koichi; Kurashima Yukiko; Kishimoto Atsuhiro; Ogura Tsutomu; Ozawa Takayuki;

Journal: J Biol Chem

PubMed ID: 12091379

Hypoxia is a critical event for higher organisms, and cells and tissues react by increasing the oxygen supply by vasodilatation, angiogenesis, and erythropoiesis and maintaining cellular energy by increasing glycolysis and inhibiting anabolic pathways. Stimulation of glycolysis has been regarded as the main response that increases energy production during hypoxia; ... More

1 - 2 of **2** results.

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