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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for MB-046-0100

20% Sodium Dodecyl Sulfate (SDS)

Overview

Description:	20% (w/v) Sodium Dodecyl Sulfate (SDS) - MB-046-0100
Item No.:	MB-046-0100
Size:	100 mL
Applications:	SDS-PAGE, Cellular Assay, IF

Product Details

Background:	SDS, sodium dodecyl sulfate is an anionic surfactant. SDS is commonly used in laboratory as component of buffer for cell lysis, cell lysis during DNA extraction and mostly in SDS-PAGE running buffer. Indeed, SDS is an anionic detergent applied to protein sample to linearize proteins and to impart a negative charge to linearized proteins.
Synonyms:	Sodium dodecyl sulfate buffer, Sodium laurilsulfate buffer, SDS buffer

Target Details

Purity/Specificity:	This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.

Application Details

Tested Applications:	SDS-PAGE
Suggested Applications:	Cellular Assay, IF (Based on references)
Application Note:	This product is a concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. Product consists of 20% (w/v) Sodium Dodecyl Sulfate (SDS). Meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade deionized water.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	20 %
Buffer:	See application note.
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (18° to 26° C) prior to opening.
Expiration:	Expiration date is six (6) months from date of receipt.

Images

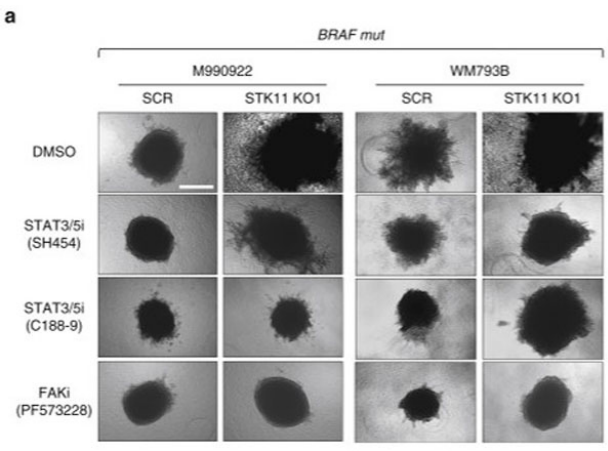

Figure
STK11 loss–mediated invasion is prevented by STAT3/5 and FAK inhibition. (a) Collagen-embedded spheroids were treated with STAT3/5 (SH-45-4 and C188-9) and FAK (PF-573228) inhibitors at 5 µM for M990922 and at 20 µM (SH-45-a) and 10 µM (PF-573228) for WM793B. Bar = 500 µm. The cells were fixed and stained with a filtered crystal violet solution (crystal violet 0.05% w/v, formaldehyde 1%, methanol 1%, in PBS) for 20 minutes. After air drying of the plates, the crystal violet was solubilized through incubation with 100 µl SDS 2% (p/n MB-046-1000) per well at room temperature for 30 minutes. Figure 6. PMID: 34757069.

Bottle
20% (w/v) Sodium Dodecyl Sulfate (SDS)

References

- Saar-Kovrov V et al. Protein carbamylation in atherosclerotic plaques correlates with uremia and disease progression, localizing predominantly to foam cells. *Front Immunol.* (2025)
- Dzung A et al. STK11 Prevents Invasion through Signal Transducer and Activator of Transcription 3/5 and FAK Repression in Cutaneous Melanoma. *J Invest Dermatol.* (2022)

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