

Certificate of analysis

Product Name/Description: Sialic Acid Fluorescence Labeling Kit
Cat. #: 4400
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 100 Rxns

Package Contents:	1. DMB Solution	1 ml	x 2
	2. Coupling Solution	5 ml	x 2
	3. Neu5Ac (100 µM)	100 µM	500 µl

Note: Storage condition of component "DMB Solution": Protected from light.

Quality Control Data:

Labeling efficiency check:

Incubate 10 µl of Neu5Ac solution (diluted 100-fold) and 200 µl of mixed solution (the ratio of DMB Solution: Coupling Solution: H₂O = 1: 5: 4) at 50°C for 2.5 hours, under protection from light; Cool on ice to terminate the reaction; Inject 20 µl of reaction mixture into HPLC Column (PALPAK Type R). Then calculate the quantities of Neu5Ac labeled with DMB.

1) Reagent check:

Neu5Ac of this product was labeled with DMB by using this product and the previous lot, and the labeling efficiency of both reagents were compared by HPLC analysis.

The quantity of the labeled Neu5Ac obtained by using this product was ≥95% of that obtained by using the previous lot.

2) Neu5Ac check:

Neu5Ac of this product and that of the previous lot were labeled with DMB by using this product, and the labeling efficiency of both Neu5Ac were compared by HPLC analysis.

The quantity of the labeled Neu5Ac obtained by using Neu5Ac of this product was 95-105% of that obtained by using Neu5Ac of the previous lot.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
www.takarabio.com (English)

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