Certificate of Analysis

Lenti-X™ Transduction Sponge

Catalog No.	Amount	Lot Number
631478	24 rxns	Specified on product label.

Description

The Lenti-X Transduction Sponge facilitates rapid and efficient lentiviral transduction without spinoculation or the use of a chemical transduction enhancer. Consisting of a macroporous alginate that encourages the co-localization of target cells and lentivirus, the structure eliminates biotransport issues associated with standard lentiviral transduction methods. A simple, easy-to-use protocol reduces cell handling and requires smaller total reaction volumes while producing transduction efficiencies that are comparable or improved over traditional methods.

Package Contents

- 24 x Lenti-X Transduction Sponge
- 30 ml Release Buffer
- 1 Forceps

Storage Conditions

- Store the Lenti-X Transduction Sponge at 4°C in the supplied foil pouch containing the desiccant sachet.
- Return any unused portion to the supplied foil pouch containing the desiccant sachet and store at 4°C.
- Store Release Buffer at 4°C.

Expiration Date

- Specified on product label.

Shipping Conditions

- Blue ice

Product Documents

Documents for our products are available for download at **takarabio.com/manuals**
The following documents apply to this product:

- Lenti-X Transduction Sponge Protocol-At-A-Glance

Quality Control Data

Transduction Test

Jurkat cells were transduced with lentivirus-expressing GFP as described in the Lenti-X Transduction Sponge Protocol-At-A-Glance. At 48 hr post-transduction, GFP expression was assessed by FACS and the percentage of GFP-expressing cells was used to calculate transduction efficiency. Transduction efficiency was demonstrated to be ≥45% with an interwell % coefficient of variation of <20%. Cell viability was determined to be >80% through 7-AAD viability staining.

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(011025)

Sterility Test

The Lenti-X Transduction Sponge was dissolved in Release Buffer and the resulting mixture was used to inoculate thioglycolate medium and tryptic soy broth. There was no evidence of bacterial or fungal growth after inoculation.

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

Notice to Purchaser

Lenti-X™ Transduction Sponge

CATALOG NO.

631478

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product´s web page at http://www.takarabio.com. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 446

Limited Use Label License: Lenti-X Transduction Sponge

This product which you will receive/have received from Takara Bio USA, Inc. (“TBUSA”) includes within it certain materials (“Product”) which are subject to a field limited license between TBUSA and North Carolina State University (“NC State”) and are subject to one or more pending patents including U.S. Patent Application No. 17/917,770 and corresponding foreign patent filings.

As the purchaser of the Product (“Recipient”), Recipient hereby agrees to the following limited use license: Recipient is granted the limited right to use the Product only for ex vivo transduction of cells for internal non-commercial research purposes. The Recipient is strictly prohibited from: (i) transferring the Product its components, and/or materials that incorporate the Product to any third party without TBUSA’s express written permission; (ii) using the ex vivo transduced cells and/or any components thereof in any clinical or therapeutic application without TBUSA’s express written permission; (iii) using the Product for any application other than the ex vivo transduction of cells without NC State’s express written permission; and/or (iv) implanting/inserting the Product within a living organism without NC State’s express written permission.

The Recipient acknowledges and hereby agrees that: (i) if Recipient is interested in implanting/inserting the Product within a living organism and/or in using the Product for applications other than ex vivo transduction of cells, Recipient must obtain a license from NC State, and (ii) NC State is a third-party beneficiary under this limited use label license and has the authority to enforce its provision against the Recipient, at its sole discretion, if the Recipient (a) uses the Product for any application other than the ex vivo transduction of cells, and/or (b) implants/inserts the Product in a living organism. Any use of the Product other than what is expressly granted above, will require an additional license from TBUSA. Any use of the Product for in vivo transduction of cells and/or for implantation/ insertion within a living organism, will require a license from NC State. For information relating to obtaining a license from NC State, contact NC State at ncsulicenses@ncsu.edu.

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1/10/2025

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TRADEMARKS:

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