

Lenti-X™ Transduction Sponge

Catalog No.
631478

Amount
24 rxns

Lot Number
2502074

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 $\geq 42\%$ with an interwell % coefficient of variation of $< 20\%$. Cell viability was determined to be $> 80\%$ through 7-AAD viability staining.

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 631478

Lenti-X Transduction Sponge

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.

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STATEMENT 446

Limited Use Label License: Lenti-X Transduction Sponge

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1/10/2025

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