Datasheet: LNK161STR

BATCH NUMBER 175101

Description:	LYNX RAPID STREPTAVIDIN ANTIBODY CONJUGATION KIT
Name:	STREPTAVIDIN CONJUGATION KIT
Format:	Kit
Product Type:	Conjugation Kit
Quantity:	3 CONJUGATIONS for 100µg antibody

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Conjugation	▪			

We recommend that for each conjugation the user determines the best antibody:conjugate ratio.

Product Information

LYNX Rapid Streptavidin Antibody Conjugation Kit® enables the rapid conjugation of a pre-prepared lyophilized mixture containing Streptavidin label to an antibody or protein. Activation of proprietary reagents within the antibody-label solution results in the coupling of Streptavidin to the antibody.

LYNX Rapid Streptavidin Antibody Conjugation Kit® can be used to label small quantities of antibody/protein at near neutral pH, allowing a high conjugation efficiency with 100% antibody recovery.

Reagents In The Kit

3 Vials of 100µg LYNX lyophilized Streptavidin mix
1 Vial LYNX Modifier reagent
1 Vial LYNX Quencher reagent.

Preparing The Antibody

The following buffer solutions are recommended for preparing the antibody:

10-50mM amine-free buffer (e.g HEPES, MES, MOPS and phosphate) pH range 6.5-8.5, although moderate concentrations of Tris buffer (<20mM) may be tolerated.

Do not use buffers containing nucleophilic components e.g primary amines and thiols since they may react with LYNX chemicals. Azide (0.02-0.1%), EDTA and common non-buffering salts and sugars have little or no effect on conjugation efficiency.

	It is recommended that 100µg antibody be used in each labelling reaction. For optimal results the antibody should be at a concentration of 1mg/ml, with a maximum volume of 100µl and a maximum antibody amount of 100µg. Antibody at a concentration of greater than 1mg/ml requires dilution. Antibody below 1mg/ml can still be used as long as the maximum volume is not exceeded. Using less than the recommended amount of antibody may result in unbound label, but this will be removed during subsequent application wash steps. Antibody below 0.5mg/ml should be concentrated before use with the kit.
Instructions For Use	1.To the antibody sample add 1µl of the Modifier reagent for every 10ul of antibody and mix gently. 2.Pipette the mixed antibody-modifier sample directly onto the LYNX lyophilized mix and gently pipette up and down twice to resuspend. 3.Replace cap onto vial and incubate at room temperature (20-25°C) for 3 hours or overnight.if preferred. 4.After incubation, add 1µl of Quencher reagent for every 10µl of antibody used. Leave to stand for 30 minutes before use.
References	1. Welden, M. *et al.* (2022) Towards Multi-Analyte Detection with Field-Effect Capacitors Modified with *Tobacco Mosaic Virus* Bioparticles as Enzyme Nanocarriers. Biosensors (Basel). 12 (1): 43. 2. Vásquez-Pacheco, E. *et al.* (2024) Highlighting fibroblast plasticity in lung fibrosis: the WI-38 cell line as a model for investigating the myofibroblast and lipofibroblast switch. Theranostics. 14 (9): 3603-22.
Storage	This kit contains lyophilized hygroscopic components that are moisture-sensitive. This kit is shipped under ambient conditions with silica packets to avoid exposure to moisture. On receipt, Bio-Rad recommend that the kit is stored at -20°C and protected from moisture. Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing. Before opening, allow the components to reach room temperature to minimize condensation.
Guarantee	12 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10536 #10546 #10548 available at: https://www.bio-rad-antibodies.com/SDS/LNK161STR
Licensed Use	Bio-Rad LYNX conjugation kits are offered for research purposes alone, and are not intended for human, therapeutic or diagnostic use. The purchase of this conjugation kit conveys to the buyer (whether the buyer is a not-for-profit, academic or for-profit entity) the non-transferable right to use the amount of product purchased and the components of the product for in-house research. The buyer shall not sell or otherwise transfer this product, its components, or materials prepared therefrom to any third party. The buyer shall not use this product or its components for commercial purposes. For the avoidance of doubt, ‘commercial purposes’ means any activity by a party for consideration and includes, without limitation, use of the product or its components (I) in the manufacturing of conjugated materials (e.g. labeled antibodies), (ii) to provide a service, information or data, (iii) for therapeutic, diagnostic or prophylactic purposes, or (iv) for repackaging/resale, whether or not such product or its components are resold for use in

	research. The use of this product by the buyer constitutes agreement with the terms of this limited use label license for LYNX products.
Regulatory	For research purposes only.

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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