

Datasheet: PIP041

BATCH NUMBER 160197

Description:	RECOMBINANT STREPTOLYSIN-O
Name:	STREPTOLYSIN-O
Other names:	SLO
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	1 mg

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
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Recombinant purified Streptolysin O - liquid
Preparation	Recombinant Streptolysin O from transformed <i>Escherichia coli</i> . The preparation was purified by metal affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Current, batch-specific concentration 3.42 mg/ml

Product Information Streptolysin O is a sulfhydryl-activated toxin produced by groups A, C and G of streptococci. It is an oxygen-labile hemolytic enzyme capable of causing lysis in animal cells, particularly white and red blood cells. It does so by binding to membrane cholesterol, where it polymerises to form a transmembrane channel.

Activity	Total antigenic activity approx (internal indirect method): 8880 IU/ml Specific antigenic activity approx: 2596 IU/mg of protein
Storage	Store at -70°C or -20°C for short term storage. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10169 available at: https://www.bio-rad-antibodies.com/SDS/PIP041 10169
Regulatory	For research purposes only

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