

ENZYMES

Recombinant Streptolysin O

ORIGIN *Escherichia coli*

CAT# 70-6844-01

► SPECIFICATIONS

Purity	≥90%
Protein concentration	> 0.8 mg/mL (Biorad method)
Protein concentration	> 0.68 mg/mL (A ₂₈₀ method)

► APPLICATION

SEKISUI's recombinant Streptolysin O is suitable for use in assays that provide quantitative determination of antibodies to antistreptolysin O (ASO).

► CLINICAL SIGNIFICANCE

Streptolysin-O is one of several toxic immunogenic exoenzymes produced by most strains of group A and many strains of groups C and G, β-hemolytic streptococci. The O in the name stands for oxygen-labile; the other related toxin being oxygen-stable streptolysin-S. The main function of streptolysin O is to cause hemolysis (the breaking open of red blood cells) in particular, beta-hemolysis.

Anti-streptolysin O (ASO or ASLO) is the antibody made against streptolysin O. An elevated ASO titer usually is an indication of a recent infection with a group A β-hemolytic streptococcus and as such has become routine for the diagnosis and management of acute rheumatic fever and acute glomerulonephritis.

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