



Technical Data Sheet

Lyophilized core Streptavidin, recombinant

Specification

Activity ≥ 17 (HABA)
Solubility $\geq 10\text{mg/ml}$ (in MiliQ water)
 $\geq 50\text{mg/ml}$ (in neutral or alkaline buffer)
SDS page: one major band

Features

E.coli recombinant protein
Lyophilized powder, essential salt free
Molecular Weight $\sim 53\text{ kDa}$ (Based on Mass) $\sim 56\text{ kDa}$ (Based on Page)
Excitation Coefficient ($E^{1\%}_{280} = 32$; $1\text{ mg/ml A}_{280}=3.2$)

Package

10 mg Streptavidin lyophilized powder

Application

Immunoassays
Histochemistry
FISH (Fluorescence In Situ Hybridization)
Flow cytometry
Microarrays
Blot analysis
Isolate biotinylated molecules
DNA hybridization techniques
MHC tetramer technology

Reconstitution

Centrifuge vial prior to opening. Reconstitute whole bottle of Lyo Streptavidin (10 mg) with your buffer to adjust the concentration for further use. The core Streptavidin has a near neutral pI, therefore reconstitution by neutral buffer may cause precipitation and should be followed by centrifugation. Frozen aliquots are stable for at least 6 months when stored at -20°C . Avoid repeated freeze-thaw cycles.

Storage

Store Lyo Streptavidin at 4°C with desiccant; if possible, in desiccant.