

Reagents compatible with the Strep-tag/Strep-Tactin interaction



Last date of revision: October 2006

Version: PR12-0005

Reagent	Concentration
Reduction Agents	
DTT	50 mM
β -mercaptoethanol	50 mM
Non-Ionic Detergents	
C ₈ E ₄ Octyltetraoxyethylene	max. 0.88 %
C ₁₀ E ₅ ; Decylpentaoxyethylene	0.12 %
C ₁₀ E ₆	0.03 %
C ₁₂ E ₈	0.005 %
C ₁₂ E ₉ ; Dodecyl nonaoxyethylene (Thesit)	0.023 %
DM; Decyl- β -D-maltoside	0.35 %
LM; N-dodecyl- β -D-maltoside	0.007 %
NG; N-nonyl- β -D-glucopyranoside	0.2 %
OG; N-octyl- β -D-glucopyranoside	2.34 %
TX; Triton X-100	2 %
Tween 20	2 %
Ionic Detergents	
N-lauryl-sarcosine	2 %
8-HESO; N-octyl-2-hydroxy-ethylsulfoxide	1,32 %
SDS; Sodium-N-dodecyl sulfate	0.1 %
Zwitter-Ionic Detergents	
CHAPS	0.1 %
DDAO; N-decyl-N,N-dimethylamine-N-oxide	0.034 %
LDAO; N-dodecyl-N,N-dimethylamine-N-oxide	0.13 %
Others	
Ammonium sulfate (NH ₄) ₂ SO ₄	2 M
CaCl ₂	max. 1 M
EDTA	50 mM
Ethanol	10 %
Guanidine	max. 1 M
Glycerol	max. 25 %
Imidazole	max. 250 mM
MgCl ₂	1 M
NaCl	5 M
Urea	max. 1 M

Note: These reagents have been successfully tested for the purification of e.g. GAPDH-Strep-tag with concentrations up to those mentioned. For reagents not marked with "max." higher concentrations may be possible, though. Since binding depends on the sterical accessibility of Strep-tag in the context of the particular protein the possible concentration may deviate from the given value for other proteins.