

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



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