

Suitable buffer additives for antigens for polyclonal antibody/antiserum development

The following additives in buffers are acceptable, if the concentration of the antigen is at least 1 mg/ml:

Immunization

- 1 M Urea
- 200 mM in total of the following substances combined: Imidazole and all anorganic salts (NaCl, KCl, ...)
- 1 mM EDTA
- 2 mM DTT (Dithiothreitol)
- 0.1% Maltose, Mannitol and Trehalose
- 0.1% SDS
- 10% Glycerol
- 10% DMSO
- **no** guanidine hydrochloride

Preparation of affinity column for the antigen-specific purification of antibodies from antiserum

- 1 M Urea
- 1 mM EDTA
- up to 500 mM NaCl
- 0.1% Maltose, Mannitol and Trehalose
- 10% Glycerol
- **no** amino-group containing buffers (e.g. Tris)
- **no** amino acids (e.g. Arginine)
- **no** detergents (e.g. CHAPS, SDS, Triton, Tween)

ELISA titer test

- 1 M Urea
- 1 mM EDTA
- up to 500 mM NaCl
- 0.1% Maltose, Mannitol and Trehalose
- 10% Glycerol
- **no** detergents (e.g. CHAPS, SDS, Triton, Tween)

Please note, that under the following circumstances an ELISA titer test against the antigen cannot be performed:

- antigen in gel (offer on request);
- antigen is a bacterial suspension;
- antigen is a cell lysate or a viral lysate;
- antigen is a protein on a nitrocellulose membrane.