



## **Suitable buffer additives for antigens for monoclonal antibody development in mice (also valid for polyclonal antisera in mice)**

The following additives (maximum values) in buffers can be accepted, if the concentration of the antigen is at least **1 mg/ml**:

### For Immunogens:

- 200 mM Imidazole
- 1 mM EDTA
- 2 mM DTT (dithiotriethol)
- 200 mM NaCl
- 2 mM Calcium salts
- 10 mM Potassium salts
- 0,1% Maltose, Mannitol and Trehalose or any other carbohydrates
- 0,1% SDS
- 10% Glycerol
- **no** NaN<sub>3</sub> or other preservatives
- **no** Urea
- 20 mM Tris

In case of other substances (i.e. amino acids) the total concentration of substances in solution should not exceed 250 mM.

### For Screening-Antigens:

- **no** SDS,
- **no** Triton® X-100,
- **no** Tween or any other detergents

### For Antigens that needs to be conjugated via -NH<sub>2</sub>:

- **no** buffer components containing amine groups (for example Tris, amino acids)

### For Antigens that needs to be conjugated via -CH<sub>2</sub>-SH:

- **no** buffer components containing sulfhydryl groups (for example cysteine, DTT, β-Mercaptoethanol)