



Coating Buffer pH 7.4

Product description

Composition: PBS based buffer
10x stock solution

pH-value: pH 7.4 ± 0.2

Preservative: Buffer is delivered without any preservatives, because some preservatives can interfere with the process of coating.
Thus coating buffer is safe and easy useable for many applications.

Storage: 10x stock solution: shelf life at -20 °C: 1 year
shelf life at 2 – 8 °C: 6 months

Use working solution immediately!

For research use only, not for diagnostic use

Available

Package sizes: 125 ml order number 120 125
500 ml order number 120 500

Instructions for use

Coating Buffer pH 7.4 is made for adsorptive immobilisation of proteins and antibodies on plastic surfaces (for example microtiter plates) or other protein binding surfaces. Applications are for example ELISA, EIA, RIA and protein arrays as well as immuno-PCR.

Crystals of salt can precipitate after storage at 2 – 8 °C or after freezing. Therefore *Coating Buffer* must be warmed up to room temperature and should be mixed thoroughly before preparing the working solution. This leads to dissolving of salt after shaking.

Stock solution is diluted 1:10 with salt free water to get the working solution.

Use working dilution immediately.

The proteins or antibodies for immobilisation are diluted in this working solution and used after mixing. Typical concentration range for standard ELISA is in between 0.5 µg/ml and 2 µg/ml for capture antibodies.

Depending on surface as well as on proteins or antibodies the optimal incubation times can differ. Consequently any user should optimise its own incubation procedure. For some proteins or antibodies *Coating Buffer pH 7.4* is better, for others *Coating Buffer pH 9.6* is better for immobilisation.

The pH-value can have an influence on the steric structure of proteins or antibodies, thus having an effect on immobilisation.

For an optimised procedure for a newly developed immunoassay we strongly recommend testing of both *Coating Buffers* in comparison.

For further information please visit www.candor-bioscience.com.