Coating Buffer (10x)

Buffer for adsorptive immobilization of proteins and antibodies on plastic surfaces (e.g. microtiter plates) or other protein binding surfaces

Available products:	*Coating Buffer pH 7.4 (10x)* *(Cat. No. CR120-LS)* *Coating Buffer pH 9.6 (10x)* *(Cat. No. CR121-LS)*
Storage:	2 - 8 °C or -15 to -30 °C (tolerates repeated freezing and thawing cycles)
pH-value at 19.0 - 21.0 °C: (1:10 dilution)	7.4 ± 0.2 (Cat. No. CR120-LS) 9.6 ± 0.2 (Cat. No. CR121-LS)
Preservative:	The buffer is supplied without bactericidal/fungicidal additives, as these can interfere with the immobilization process.
Expiry date when stored unopened:	see label on the bottle Use working solution immediately!
	For general laboratory use

Instructions for use

Salt crystals may precipitate during prolonged storage at 2 - 8 °C or after freezing. Therefore, before preparing the working solution, *Coating Buffer (10x)* should be allowed to warm to room temperature to ensure that any precipitated salts are completely dissolved. Immediately before use, the buffer should be mixed thoroughly by shaking. The working solution is prepared by diluting the stock solution 1:10 with distilled or demineralized water and should be used on the same day.

The proteins or antibodies to be immobilized are diluted to the desired concentration using the working solution and applied for immobilization after thorough mixing. Typical immobilization concentrations for capture antibodies in ELISA applications range from 0.5 µg/ml to 2 µg/ml.

Depending on the surface and the type of protein or antibody to be immobilized, the required incubation time for immobilization may vary and should be optimized by the user. Depending on the protein or antibody, either *Coating Buffer pH 9.6 (10x)* (Cat. No. CR121-LS) or *Coating Buffer pH 7.4 (10x)* (Cat. No. CR120-LS) may be more suitable, as the pH value can influence the conformation and, consequently, the immobilization characteristics of the proteins or antibodies. For the optimization of newly developed assays, we recommend evaluating both coating buffers in direct comparison.

Note: CANDOR products are shipped at ambient temperature. Stability studies have demonstrated that prolonged exposure to ambient conditions does not affect product quality.

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