

ZeptoBind

ZMC Catalog #: 0801184L **Unit Size:** 1000 ml

ZMC Catalog #: 0801184 **Unit Size:** 60 ml

PRODUCT CHARACTERISTICS

Preparation of microwell plates involve binding the antigen or antibody to the plate, blocking nonspecific binding sites, then coating the plate with a stabilizing reagent to allow for dry storage. ZeptoBind is an immunoassay stabilizing reagent, specifically formulated to aid in the adherence of antigens or antibodies to microwell plates. When used properly, ZeptoBind ensures binding of the protein matrices to the plates. The reagent is supplied in a liquid, ready-to-use format.

RECOMMENDED USAGE

Dissolve the antigen or antibody in ZeptoBind. Add 100 μ l of the suspension to each microwell and incubate overnight at 4°C. Aspirate the remaining solution. The concentration of antibody or antigen will greatly affect the quality of the assay being developed. We recommend titrating the amount of antigen or antibody to be used for coating the wells. For most antibodies or antigens, the optimal coating concentration is in the range of 1 to 10 μ g/ml when using ZeptoBind. If the optimal concentration is unknown and it is not practical to perform a titration to determine this concentration, we recommend using 10 μ g/ml which works well for most applications. A complete discussion of optimization procedures can be found in Harlow and Lane, "Antibodies, A Laboratory Manual", Cold Spring Harbor Laboratory, 1988.

It is recommended that after binding the antibody or antigen to the plate, that a blocking reagent such as ZeptoBlock and a stabilizing reagent such as ZeptoCoat are applied. After binding the antigen or antibody to the plate, add 200 μ l of ZeptoBlock to each well. Incubate for 2 hours at room temperature. Aspirate remaining solution then add 100 μ l of ZeptoCoat to each well. Incubate for 1 hour at room temperature. Aspirate the remaining solution. Dry the plate for a minimum of 4 hours at room temperature prior to placing in a plastic bag with a desiccant. Store at 4°C.

STORAGE AND STABILITY

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Store at 4°C. ZeptoBind contains no preservatives. Use aseptic technique when removing contents.

All products are for Research Use Only and not for *in vitro* Diagnostic Use

This Package Insert is provided for product evaluation purposes only and is not intended to be used in place of the Package Insert shipped with the product.