Liquid Plate Sealer® animal-free *(Cat. No. CR163-LS)*

Stabilizer for coated antibodies and antigens on polystyrene- or glass-surfaces. Free from animal derived ingredients and animal proteins

Storage:	2 - 8 °C
pH-value at 19.0 – 21.0 °C:	6.5 ± 0.2
Preservative:	contains < 0.0014 % [w/w] reaction mass of CMIT/MIT (3:1)
Expiry date when stored unopened:	see label on the bottle
	For general laboratory use

Instructions for use

Liquid Plate Sealer® animal-free is ready-to-use. *Liquid Plate Sealer® animal-free* can either be added to the finished coated microtiter plates, polystyrene beads, glass slides etc. (step A) or alternatively added directly to the coating solution (step B). This eliminates the need for blocking and washing steps during the coating process.

The microtiter plate or solid phase is incubated with *Liquid Plate Sealer® animal-free* and dried afterwards. After drying the plate or solid phase, the coated molecules have a significantly longer shelf life of typically 2 to 3 years when stored in a cool and dry place. To use the stabilized plates (solid phases) for an assay, assay buffer or the sample can be applied directly to the plate. An additional washing step is not required.

Procedure A (volumes for a 96 well plate):

1. Follow the standard procedure for coating microtiter plates. Remove the coating solution at the end of the incubation.

2. Add 200 µl/well *Liquid Plate Sealer® animal-free* and incubate for 15 - 90 min at 20 - 30 °C. Note: The volume per well should at least match the volume used for the coating or ideally exceed it by at least 50 µl. This ensures that the entire coated surface is covered by Liquid Plate Sealer®.

3. Aspirate *Liquid Plate Sealer® animal-free.* Buffer residues can be removed by additionally knocking out on absorbent paper. Incubate plates at 37 - 40 °C until dry. Typical incubation times are between 60 and 120 min, depending on the temperature, the type of incubator, the number of plates and the (active) air circulation of the incubator.

4. Store the plate sealed in a pouch in a dry place (with additional desiccant if necessary) at 2 – 8 °C.

Procedure B (volumes for a 96 well plate):

1. Follow the standard coating procedure for the microtiter plates.

2. After completion of the coating process*, add *Liquid Plate Sealer® animal-free* directly into the well so that the well is completely filled. Example: for 100 µl coating solution, add an additional 200 µl *Liquid Plate Sealer® animal-free* directly into the well. Incubate for 15 - 90 min. at approx. 20 - 30 °C.

3. Aspirate the solution. Buffer residues can be removed by additionally knocking out on absorbent paper. Incubate plates at 37 - 40 °C until dry. Typical incubation times are between 60 and 120 min, depending on the temperature, the type of incubator, the number of plates and the (active) air circulation of the incubator.

4. Storage: Store the plate sealed in a pouch in a dry place (with additional desiccant if necessary) at 2 - 8 °C for up to 2 to 3 years.

*Addition of *Liquid Plate Sealer® animal-free* stops the coating process. The optimum time required for coating individual antibodies or antigens should be determined before using *Liquid Plate Sealer® animal-free.*

The values given for shelf life are guidelines. Longer shelf lives have previously been achieved, but these are not suitable for generalization due to known differences between individual antibodies. Each assay must therefore be tested for the individually attainable stability.

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.

Liquid Plate Sealer is a registered trademark of CANDOR Bioscience.