

## ELISA Conjugate Diluents Standard Protocol

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**Catalog #:** KF17341-46

**Sizes:** 25 ml, 100 ml, 500 ml, 1 L, 10 L  
concentrated at 5x.

**Storage:** When stored unopened and protected from light, a shelf-life of 18 months can be expected at 2°-8°C.

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To stabilize newly conjugate proteins, simply add 1 part of the appropriate 5x conjugate diluent (that has not been diluted to 1x) to 4 parts of the new conjugate solution. For example, if you just eluted 20 mL of an antibody-HRP conjugate off a column, simply add 5 mL of 5x CD6 Conjugate Stock Stabilizing Reagent to the conjugate solution. If the conjugate was initially at 10 mg/mL, the stabilized conjugate will now be at 8 mg/mL in 25mL diluent (it's been diluted by 20%).

To reconstitute lyophilized conjugates, simply pipette a known amount of a 1x conjugate diluent into the vial. The liquid conjugate is now ready to be used directly, or further diluted to the required concentration. For example, if you purchased a vial of goat anti-human IgG at 1mg, simply add 1mL of a 1x conjugate diluent to the vial. The liquid conjugate is now at 1mg/mL goat anti-human IgG.

To dilute concentrated conjugates for use in an assay, simply pipette a known amount of the conjugate stock into a 1x conjugate diluent and it's ready to use. For example, if you needed 100mL of conjugate at 10ug/mL, simply add 1 mL of the (above) concentrated goat anti-human HRP into 20mL of a 5x conjugate diluent and 79mL of diH<sub>2</sub>O and it's ready to use.

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FOR RESEARCH USE ONLY

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