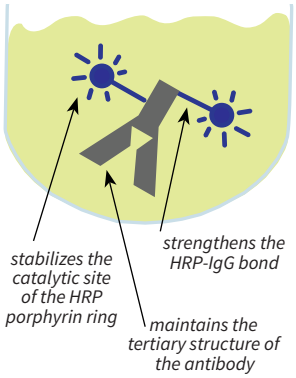
F17-586-3-C; Effective 4/28/17; Supersedes F17-586-3-B

Antigen-Down HRP Conjugate Stabilizer, 5X

Preserves the activity of HRP conjugates and reduces background signal.

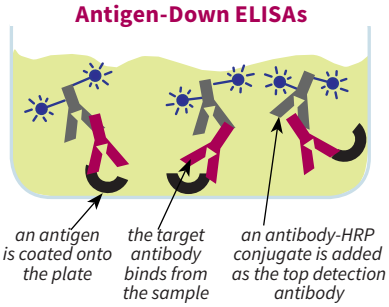
Antigen-Down HRP Conjugate Stabilizer, 5X is supplied as a 5X concentrate. When diluted to its 1X working concentration, it can be used to create concentrated stock conjugates for long-term storage, reconstitute lyophilized HRP conjugates, and dilute IgG-peroxidase conjugates to their useful working titer in ELISAs and other immunology-based techniques.

Stabilizes HRP Conjugates



At 1X, Antigen-Down HRP Conjugate Stabilizer preserves the functional integrity of the horseradish peroxidase enzyme and immunoglobulin components of the HRP-IgG conjugate complex. It utilizes a hydrolyzed, non-mammalian protein matrix instead of the conventional BSA protein stabilizers used in other commercial stabilizing products. Incorporation of a heterogeneous, smaller molecular weight protein matrix may allow for creation of more intimate associations between stabilizer proteins and the performance-critical regions of the IgG-HRP conjugate, resulting in vast improvements in stabilizing performance. In addition, the physical and chemical characteristics of the protein matrix create an unfavorable environment for non-specific conjugate binding interactions with the ELISA plate surfaces. When assessing low-positive, humoral antibody responses in an antigen-down ELISA format, such as to a food allergen or early signs of a viral pathogen outbreak in a swine herd, minimization of non-specific background signal is of critical importance and can easily be the difference between success or failure in the assay development process.

Minimizes Background in Antigen-Down ELISAs



By maintaining conjugate component activity and preventing contamination issues through the inclusion of an antimicrobial agent, Antigen-Down HRP Conjugate Stabilizer extends the functional utility of stored and reconstituted IgG-peroxidase conjugates. Additional components may be added to address unique ELISA sample situations or for use in other immunological techniques.

BRIGHT MINDS, BRIGHT SOLUTIONS.

ImmunoChemistry Technologies, LLC gratefully acknowledges the significant contributions made by one of its founders, Brian W. Lee, Ph.D in the development of this product, including the creation and illustration of its strategy and protocol.

ANTIGEN-DOWN HRP CONJUGATE STABILIZER, 5X

Size	Catalog#
25 mL	#6169
100 mL	#6102
500 mL	#6103
1 L	#6104
10 L	#6105

INSTRUCTIONS:

1. Protect the stabilizer from light.
2. Gently mix Antigen-Down HRP Conjugate Stabilizer, 5X; avoid bubbles.
3. Prepare 1X working strength stabilizer solution by diluting 1:5 in diH_2O. Add 1 part 5X stabilizer to 4 parts diH_2O.
4. Mix for 15 minutes.
5. Prepare the HRP conjugate solution at the predetermined dilution factor or concentration. For example, if preparing 50 mL at a dilution of 1:5,000, add 10 µL HRP-IgG conjugate stock concentrate to 49.99 mL Antigen-Down HRP Conjugate Stabilizer.
6. Mix for 15 minutes.
7. Pipette 50-300 µL of the diluted HRP conjugate to each well of the ELISA at the appropriate step in the assay.
8. Store remaining conjugate solution at 2-8°C. Protect from direct exposure to light. This can be accomplished by covering the container with aluminum foil.

For more ELISA protocols and information, please visit www.immunochemistry.com.

SPECIFICATIONS:

- Clear to light yellow liquid
- 5X concentrate
- pH 7.2-7.6

STORAGE:

- 24 months at 2-8°C
- 1 week at room temperature

SAFETY & USAGE:

- Warning! May cause an allergic skin reaction.
- SDS available at immunochemistry.com
- Not for human or drug use
- For research use only

Build a better assay with ELISA Solutions from ImmunoChemistry Technologies.

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