P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

Easy ELISA™ HRP Kit

(Complete "Do it Yourself" ELISA System)

Description: The first ELISA system designed to deliver superior results to each and every research project, regardless of the level of technician expertise. Everything that is required to obtain outstanding results is included in one convenient package. Easy ELISA™ has been specifically developed to create an environment in which the researcher can be assured of consistent results with each project. All of the reagents contained in Easy ELISA™ are stable enough to ship at ambient temperature.

Uses: ELISA procedures.

Limitations: Do not use past expiration date.
Do not use if any component becomes cloudy.

Availability:

Item #	Volume
EEH-1	1 Kit

Kit Contents:

Item #	Kit Contents	Volume	Storage
EBB125	ELISA Binding Buffer	125 ml	2-8℃
CSB125	Coating Stabilizer	125 ml	2-8℃
HSB125	HRP Stabilizing Diluent	125 ml	2-8℃
AAA125	Super Block	125ml	2-8℃
ESD125	ELISA Sample Diluent	125 ml	2-8℃
TM4125	TMB Soluble Reagent	125 ml	2-8℃
TSB125	TMB Stop Buffer	125 ml	2-25℃
PBD500	Phosphate Buffered Saline (10x)	500 ml	2-25℃

Storage: 2-8° Centigrade

Storage: 2° C  8° C

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Procedure for Sandwich ELISA:

Dilutions prior to beginning:

1. Dilute secondary peroxidase labeled protein in HRP Stabilizing Diluent (Cat# HSB). Diluted secondary may be stored at 2-8°C for up to 18 months (depending on final concentration).

2. Dilute Phosphate Buffered Saline (10x) pH 7.4 (Cat# PBD) using Distilled Water (9 parts water + 1 part PBS) to make ready-to-use wash buffer.

Procedure:

1. Dilute primary peroxidase labeled protein directly into ELISA Binding Buffer (Cat# EBB).
2. Pipette diluted protein into microplate wells and incubate for 2-24 hours. Note: Cover plate to reduce evaporation.
3. After incubation dump or aspirate solution from microplate.
4. Rinse and aspirate with wash buffer 2-4 times.
5. Immediately after washing, add an excess of Coating Stabilizer (Cat# CSB) to allow interaction with the entire protein-coated surface. For example, if 100 microliters of primary protein was added to each well, then add 150 microliters of Coating Stabilizer to ensure complete coverage. **Note:** Do not allow primary proteins to dry out prior to addition of Coating Stabilizer.
6. Incubate for 15-60 minutes (60 minutes recommended) at room temperature.
7. Remove or aspirate the Coating Stabilizer (Do not wash).
8. If additional blocking is required (determined by experimentation) pipette Super Block (Cat# AAA) and incubate microtiter well for 2-10 minutes prior to addition of sample.
9. Remove or aspirate the Super Block (Do not wash).

Option 1: (Long Term Storage of coated plates)

Dry plates/strips for long-term storage. Stabilized plates/strips may require longer drying times (drying times should be optimized for each assay).

- place coated products in a humidity controlled chamber (less than 15% humidity) until dry (4-24 hours).
- or place coated products at 30-40° centigrade in a vacuum chamber for 4 hours.
- Seal the final, stabilized product in an airtight package with a desiccant.

Storage: 2° C 8° C

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Option 2: (Immediate use of coated plates)

10. Pipette diluted sample into microplate wells and incubate as determined by user (times vary according to concentration from several minutes to several hours). Note: Cover plate to reduce evaporation.
11. After incubation, dump or aspirate solution from microplate.
12. Rinse and aspirate with wash buffer 2-4 times.
13. Pipette diluted secondary peroxidase labeled protein into microwells and incubate as determined by user (times vary according to concentration from several minutes to several hours). Note: Cover plate to reduce evaporation.
14. After incubation dump or aspirate solution from microplate.
15. Rinse and aspirate with wash buffer 2-4 times.
16. Pipette adequate TMB Soluble Reagent (Cat# TM4) into microwells (approximately ½ volume of microwell) and incubate as determined by user (approx.15 minutes).
17. After incubation, do not remove TMB Soluble Reagent but add an equal volume of TMB Stop Buffer (Cat# TSB). Note: Stopped solution in microwell will turn yellow and may be read at 450nm.
18. Read microplate at 450nm within 30 minutes of completion.