ELISA Supplemental Solution Set

Catalog Number: **SEKCR02**

	Component	SEKCR02-5	SEKCR02-15
1	Color Reagent A (stabilized hydrogen peroxide)	60 mL/vial, 1 vial	180 mL/vial, 1 vial
2	Color Reagent B (stabilized tetramethylbenzidine / TMB)	60 mL/vial, 1 vial	180 mL/vial, 1 vial
3	Coat Buffer	1×PBS 60 mL/vial, 1 vial	1×PBS 180 mL/vial, 1 vial
4	10×Blocking Buffer	20% BSA 30 mL/vial, 1 vial	20% BSA 30 mL/vial, 3vial
5	20×Wash Buffer Concentrate	150 mL/vial, 1 vials	450 mL/vial, 1 vials
6	20×Dilution Buffer Concentrate	50 mL/vial, 1 vials	150 mL/vial, 1 vials
7	Stop Solution	50 mL/vial, 1 vials	150 mL/vial, 1 vials

Note：all the concetrated buffers must be diluted to 1× for using.

Description

The set supplies all buffers for ELISA detection when you buy Sinobiological Inc.'s ELISA pair set or other pair set.

It was prepared for 5 x 96-well plate assays (Cat# SEKCR02-5) or 15 x 96-well plate assays (Cat# SEKCR02-15).

Shipping

The Set is shipped at ambient temperature.

Storage

Store unopened at 2-8℃ for 1 years. Stable for up to 2 months after opening when stored at 2-8℃.

Application

ELISA

Usage Guide

➢ Warm to room temperature before use.

➢ Color Reagent A and Color Reagent B should be mixed together in equal volumes (e.g. for one 96-well plate, a 24 mL TMB substrate working solution can be prepared by mixing 12 mL of Color Reagent A with 12 mL of Color Reagent B) within 15 minutes of use. **Protecting from light**.

➢ Add 200 µL of the mixture to each well and incubate at room temperature for 20 minutes while **protecting from light**.

➢ Add Stop Solution (2M H_2SO_4) and read the microplate.

TROUBLE SHOOTING

Problems	Possible Sources	Solutions
No signal	Incorrect or no Detection Antibody was added	Add appropriate Detection Antibody and continue
	Substrate solution was not added	Add substrate solution and continue
	Incorrect storage condition	Check if the kit is stored at recommended condition and used before expiration date
Poor Standard Curve	Standard was incompletely reconstituted or was inappropriately stored	Aliquot reconstituted standard and store at -70 ℃
	Imprecise / inaccurate pipetting	Check / calibrate pipettes
	Incubations done at inappropriate temperature, timing or agitation	Follow the general ELISA protocol
	Background wells were contaminated	Avoid cross contamination by using the sealer appropriately
Poor detection value	The concentration of antigen in samples was too low	Enriching samples to increase the concentration of antigen
	Samples were ineffective	Check if the samples are stored at cold environment. Detect samples in timely manner
High Background	Insufficient washes	Use multichannel pipettes without touching the reagents on the plate
		Increase cycles of washes and soaking time between washes
	TMB Substrate Solution was contaminated	TMB Substrate Solution should be clear and colorless prior to addition to wells
	Materials were contaminated.	Use clean plates, tubes and pipettes tips
Non-specificity	Samples were contaminated	Avoid cross contamination of samples
	The concentration of samples was too high	Try higher dilution rate of samples