

ELISA Starter Accessory Kit



Catalog No.	Size
E101	10 x 96-wells

Applications The ELISA Starter Accessory Kit is used to support the determination of a specific antigen in serum or other biological samples using Bethyl Laboratories antibodies in ELISA applications.

Kit Materials

Microtiter Wells	Nunc MaxiSorp C bottom well Modules & Frames, #445101, 10 x 96 well plates Store at room temperature in an area free from dust or debris.
ELISA Coating Buffer	Carbonate-bicarbonate buffer capsules; Sigma Chemical #C3041, Package of 2 Store at room temperature for up to one year.
ELISA Wash Solution	50 mM Tris buffered saline, pH 8.0, 0.05% Tween20; Sigma Chemical # T9039, 5 Packets Store between 2 - 30° C for up to one year.
ELISA Blocking Buffer	50 mM Tris buffered saline, pH 8.0, 1% BSA; Sigma Chemical # T6789, 1 Packet Store between 2 – 8° C for up to one year.
10% Tween 20	10% solution of polyoxyethylenesorbitan monolaurate (Tween 20; Sigma Product P7949 Store at room temperature for up to one year.
Enzyme Substrate	TMB One Component HRP Microwell Substrate, 2 x 60 ml bottles Store bottles between 2 – 8° C for up to one year.

Buffer Preparation

ELISA Coating Buffer	Dissolve the contents of 1 capsule in 100 ml of distilled water = 0.05 M carbonate-bicarbonate. Do not add the capsule to your solution. Store prepared coating buffer at room temperature for up to one year.
ELISA Wash Solution	Dissolve one packet in 1 L of distilled water. Store at 2 - 30° C for up to one year.
ELISA Blocking Buffer	Dissolve one packet in 1 L of distilled water. Store between 2 – 8° C for up to one year.
Sample/Conjugate Diluent	Add 0.5 ml 10% Tween 20 to 100 ml ELISA Blocking Buffer for use as Sample and Conjugate Diluent. Store between 2 – 8° C for up to one year.
Enzyme Substrate	TMB One Component HRP Microwell Substrate is supplied as a ready to use solution. Store between 2 – 8° C for up to one year.

Notes 0.18 M H₂SO₄ is needed to stop the enzyme substrate reaction but is not included in this kit. Stop Solution, Catalog Number E115, may be purchased from Bethyl Laboratories.

Hazard Identification Refer to the on-line SDS at www.bethyl.com/product/E101.

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