



Immune Technology Corp.

The Resource for Virology Research

ELISA Plate/Buffer/Substrate Kit

Catalog Number: IT-200-002

Description: This kit contains the key components required for the analysis of five sandwich ELISA plates. It has been specifically formulated to be used in conjunction with Immune Technology Corp's standard ELISA Development Kits.

MATERIALS PROVIDED

ELISA Microplates: 5 × 96 well plates

PBS: 20ml of 20× concentrated PBS solution (1 × PBS as the coating solution)

Blocking Buffer: 200ml of ready to use Blocking Buffer (5% skim milk in PBS)

Wash Buffer: 250ml of 20× concentrated Wash Buffer (1% Tween-20 in PBS)

Diluent: 25ml of 20× concentrated Diluent (1% Tween-20, 10% skim milk in PBS)

Substrate: 40ml for each TMB Peroxidase Substrate Part A and Part B

Stop Solution: 80ml of 2N Sulfuric Acid

Sealing Film: 10 Polyester Adhesive Sheets

PREPARATION & STORAGE

All solution should be at room temperature prior to use. If crystallization occurs, gently warm and swirl the solution until crystals dissolve. Use distilled water to dilute the concentrated PBS, Wash Buffer and Diluent.

PBS: Store 20× PBS at 4°C. Prior to use, bring 20× PBS to room temperature and dilute to required volume of 1× PBS. 1× PBS can be stored for up to one month at 4°C.

For coating one 96-well plate, dilute 20μl of capture antibody from Immune Technology Corp's standard ELISA Development Kits with 10.5ml of 1× PBS. Immediately add 100μl to each well. Seal the plate and incubate overnight at 4°C.

Blocking Buffer: Store at 4°C. Blocking buffer is at a working concentration.

For blocking one 96-well plate, take 30ml of Blocking Buffer and add 300μl to each well. Incubate for at least 1 hour at room temperature.

Wash Buffer: Store 20× Wash Buffer at 4°C. Prior to use, bring 20× Wash Buffer to room temperature and dilute to required volume of 1× Wash Buffer. 1× Wash Buffer can be stored for up to one month at 4°C.

For washing one 96-well plate through a whole assay procedure, prepare 1000ml of 1× Wash Buffer and add 300μl to each well per wash.

Diluent: Store 20× Diluent at 4°C. Prior to use, bring 20× Diluent to room temperature and dilute to required volume of 1× Diluent. 1× Diluent after filter sterilized can be stored for up to one week at 4°C.

For one 96-well plate through a whole assay procedure, prepare at least 50ml of 1× Diluent.

Substrate: Store TMB Peroxidase Substrate Part A and Part B at 4°C. TMB Peroxidase Substrate Part A and Part B are at a working concentration. Bring two bottles to room temperature, and mix equal volume of Part A and Part B immediately before use.

For one 96-well plate, prepare 15ml of the mixture of TMB Peroxidase Substrate Part A and Part B.

ELISA Microplate: Store in a clean, dust free area at room temperature.

Sealing Film: Store in a clean, dry area at room temperature.