

## PRODUCT DATA SHEET

### ELISA “Do-it-yourself” Kit

#### Description

Enzyme-linked immunosorbent assay (ELISA) is used to detect and quantify the target antigen from a sample of complex mixtures. To develop an ELISA, the necessary steps are to select the ELISA format, collect the components required for the assay, and determine an effective protocol. Cyto’s ELISA “Do-it-yourself” kit contains a comprehensive collection of supplemental reagents and plates, providing an economical way to develop and perform different formats of colorimetric ELISA with reduced preparation time.

#### Feature

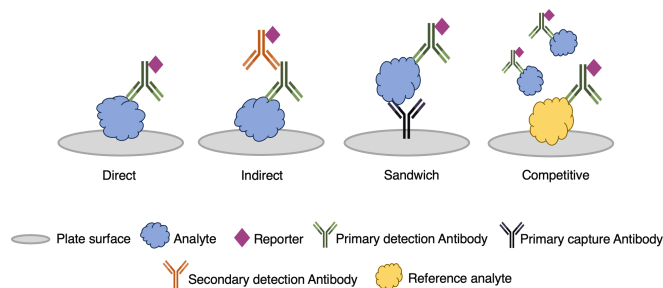


Figure 1: Schematic of different formats of ELISA

The supplied kit contains the necessary reagents and materials for developing all formats of ELISA using an HRP-TMB based signal amplification system. The reagents have been extensively validated for various analytes and ELISA formats. The diluents and buffers are carefully formulated and

aseptically filtered through a 0.2-micron filter into clean, pre-sterilized containers to ensure consistent performance and prolonged shelf life. The provided 96-well strip microplates with 12 breakable strips of 8 wells have a high binding surface, suitable for the passive adsorption of antibodies and antigens with a molecular weight greater than 30 kDa. The kit contains sufficient materials for five 96-well plate assays.

#### Contents

Items	Quantity
Clear 96-well strip microplate [EC-003-05]	5 plates
1X Coating Buffer [EL-C9-50ML]	150 mL
1X Stabilizer and Blocking Solution [EL-C1-50ML]	300 mL
10X Wash Buffer [EL-C2-50ML]	250 mL
1X Assay Diluent [EL-C3-50ML]	250 mL
1X Detection Diluent [EL-C4-50ML]	250 mL
1X One-step TMB Substrate	60 mL
1X Stop Solution [EL-C8-50ML]	100 mL
Adhesive Plate Covers	15 units

#### Storage

This product should be stored at 2-8°C. Do not freeze. If stored as specified, the ELISA Plates and reagents are stable for at least 6 months.

#### Precautions and Disclaimer

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Please consult the Material Safety Data Sheet available online at [www.cytodiagnosics.com](http://www.cytodiagnosics.com) for information regarding hazards and safe handling procedures.