

# ImmunoEX™

## Immunoassay Development Kit

**ImmunoEX™** is a user-friendly kit designed to accelerate and optimize immunoassay development. It provides essential buffers and reagents to ensure consistent, reliable results.



Cat No.	Product information
IEX001	ImmunoEX™ Immunoassay Development Kit (TBST)
	<ul style="list-style-type: none"> <li>• Protein-Based Immunoassay Buffer (TBST): 50 mL</li> <li>• Protein-Free Immunoassay Buffer (TBST): 50 mL</li> <li>• TBST Buffer: 125 mL</li> </ul>
IEX002	ImmunoEX™ Immunoassay Development Kit (TBS)
	<ul style="list-style-type: none"> <li>• Protein-Based Immunoassay Buffer (TBS): 50 mL</li> <li>• Protein-Free Immunoassay Buffer (TBS): 50 mL</li> <li>• TBS Buffer: 125 mL</li> </ul>

## Highlights

### Minimize false positives & reduce background noise

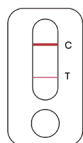
- Protein-Based & Protein-Free Formulations for blocking
- Flexible mixing options for customized conditions

### Simplify workflow and reduce preparation time

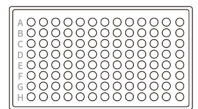
- Easy Dilution with TBST or TBS

### Ensure high-quality reagents

- Sterilized buffer for consistent performance



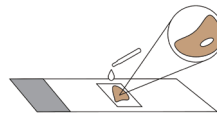
Lateral Flow Assay



ELISA



Western Blotting



Immunosatining



Antibody detection

1

### Sample Preparation

#### Challenge → Matrix Interference

In clinical and diagnostic testing, samples can contain a variety of proteins, lipids, or other components that interfere with assay sensitivity.

#### Why ImmunoEX™ Works?

Gentle TBST or TBS formulations reduce unwanted interactions while preserving protein integrity, ensuring clearer detection. ✓

2

### Blocking

#### Challenge → Non-specific binding

Proteins or other molecules in the sample can bind to the assay surface, creating false positives.

Protein-based and protein-free options effectively block non-target binding, improving sensitivity and reducing overall background. ✓

#### Challenge → High Background Noise

Excessive background signal can mask subtle but important analyte signals.

3

### Antibody Dilution & Storage

#### Challenge → Antibody Inactivation

Repeated freeze-thaw cycles or suboptimal buffer conditions may reduce antibody activity.

Sterilized, pH-optimized buffers maintain antibody stability and activity, promoting consistent, reliable results over time. ✓

#### Challenge → Contamination Risks

Microbial growth or protein aggregation can compromise antibody solutions.

VISUAL  
PROTEIN

