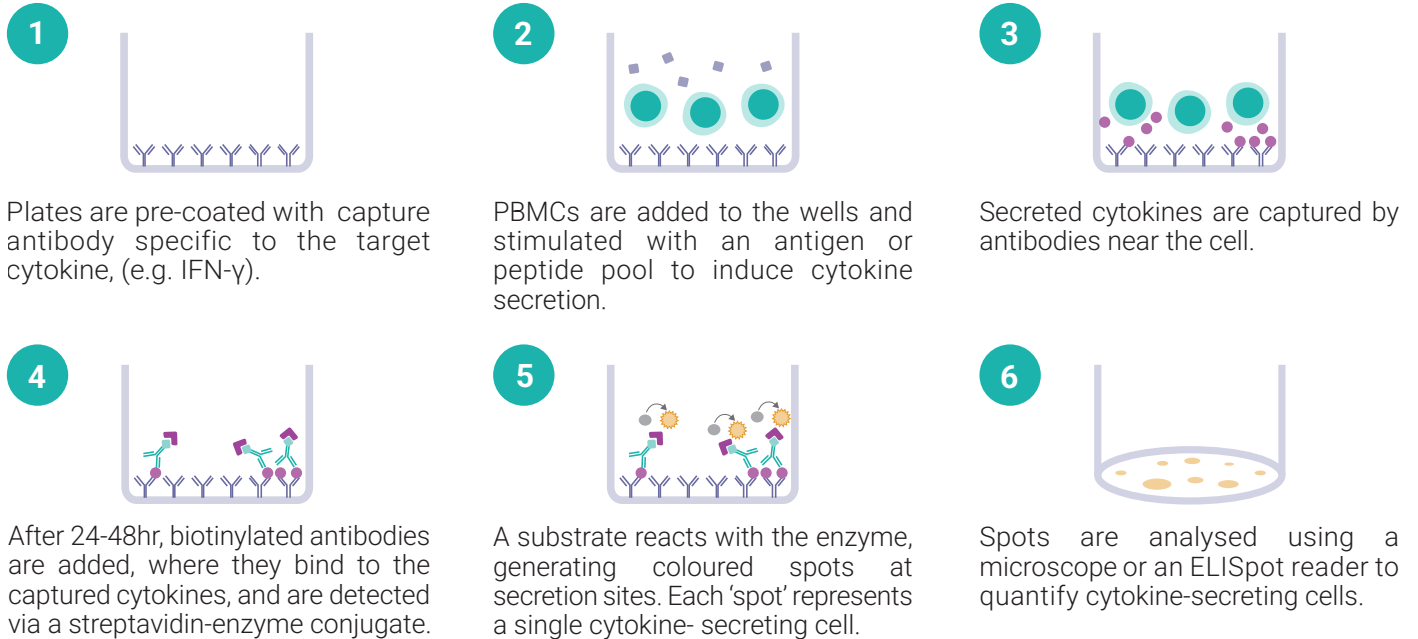


Product Brief: ELISpot

The ELISpot (Enzyme-Linked ImmunoSpot) assay is a powerful and highly sensitive technique used to detect and quantify specific secreted proteins, typically cytokines, at the single-cell level.

How ELISpot works

The ELISpot assay is based on the principle that cytokines or other secreted proteins are captured on the surface of a well as they are secreted by activated immune cells.



Applications

Infectious Disease Research

ELISpot evaluates immune responses to pathogens or treatments

Vaccine Development

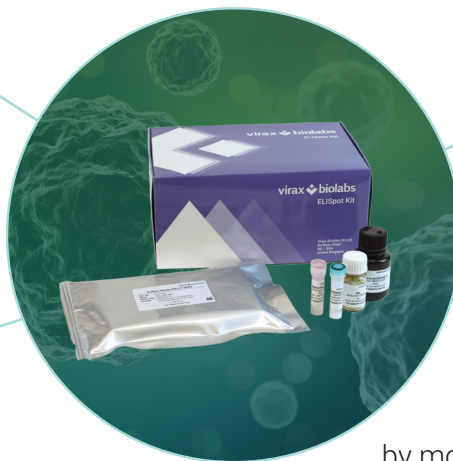
ELISpot assays can measure the immune response to vaccine candidates

Cancer Immunotherapy

ELISpot can be used to track tumour-specific T cells to assess the effectiveness of immunotherapies

Immune Profiling & Clinical Monitoring

ELISpot supports clinical trials by monitoring immune responses, such as in stem cell transplants or immunotherapies



Advantages

Single-Cell Sensitivity

Delivers single-cell resolution, allowing the detection of rare cytokine-secreting cells, that may be missed by other methods.

Quantitative & Specific

Provides quantitative data on the frequency of protein-secreting cells.

High Sensitivity

Capable of detecting low levels of secreted cytokines, making it ideal for analysing weak immune responses.

Ex Vivo Analysis

Can be performed using primary cells without the need for in vivo models.

Item	Options	Catalog Number
Human IFN- γ , uncoated	1 plate	2191-01
	5 plates	2191-05
Human IL-1 β , uncoated	1 plate	2104-01
	5 plates	2104-05
Human IL-2, uncoated	1 plate	2153-01
	5 plates	2153-05
Human IL-6, uncoated	1 plate	2157-01
	5 plates	2157-05
Human IL-8, uncoated	1 plate	2126-01
	5 plates	2126-05
Human TNF- α , uncoated	1 plate	2148-01
	5 plates	2148-05
Human IFN- γ , pre-coated	1 plate	2091-01
	5 plates	2091-05
Human IL-1 β , pre-coated	1 plate	2004-01
	5 plates	2004-05
Human IL-2, pre-coated	1 plate	2053-01
	5 plates	2053-05
Human IL-6, pre-coated	1 plate	2057-01
	5 plates	2057-05
Human IL-8, pre-coated	1 plate	2026-01
	5 plates	2026-05
Human TNF- α , pre-coated	1 plate	2048-01
	5 plates	2048-05

Item	Options	Catalog Number
Human IFN- γ , 12 x 8-well strips	1 plate	2291-01
	5 plates	2291-05
Human IL-1 β , 12 x 8-well strips	1 plate	2204-01
	5 plates	2204-05
Human IL-2, 12 x 8-well strips	1 plate	2253-01
	5 plates	2253-05
Human IL-6, 12 x 8-well strips	1 plate	2257-01
	5 plates	2257-05
Human IL-8, 12 x 8-well strips	1 plate	2226-01
	5 plates	2226-05
Human TNF- α , 12 x 8-well strips	1 plate	2248-01
	5 plates	2248-05
Human IFN- γ + CMV Peptide Pool	1 plate	3095-01
	5 plates	3095-05
Human IFN- γ + EBV Peptide Pool	1 plate	3016-01
	5 plates	3016-05
Human IFN- γ + H5N1 Peptide Pool	1 plate	3057-01
	5 plates	3057-05
Human IFN- γ + HHV6 Peptide Pool	1 plate	3066-01
	5 plates	3066-05
Human IFN- γ + Lyme Disease Peptide Pool	1 plate	3038-01
	5 plates	3038-05
Human IFN- γ + RSV Peptide Pool	1 plate	3074-01
	5 plates	3074-05
Human IFN- γ + SARS-CoV-2 Peptide Pool	1 plate	3025-01
	5 plates	3025-05

Contact us at support@viraxbiolabs.com to discuss how we can help you find the ELISpot solution that's right for you.