revvity

Unlock immune research possibilities: T-SPOT.Flex.

T-SPOT™.Flex delivers a trusted interferon-gamma (IFN-γ) ELISPOT kit combining WHO-acknowledged methodology[1] with ready-to-use components, providing a customizable immune monitoring platform that reduces hands-on time while enhancing result quality.

Why choose T-SPOT.Flex?

- **Proven foundation:** a WHO-acknowledged technology[1] supported by Revvity's 20+ years of T cell expertise and 500+ peer-reviewed publications

- **Flexible application:** adaptable platform for diverse research applications providing complete freedom to explore any research area with your own preferred targets

- **Reliable results:** ready-to-use reagents save a full day* of prep work while minimizing background noise for enhanced accuracy of results

T-SPOT.Flex enables you to:

- Design customized assays with your own antigens

- Generate reliable immune response data across diverse research areas

- Benefit from established T cell processing expertise with ready to use reagents

- Maintain workflow efficiency with potential automation compatibility and extended sample stability
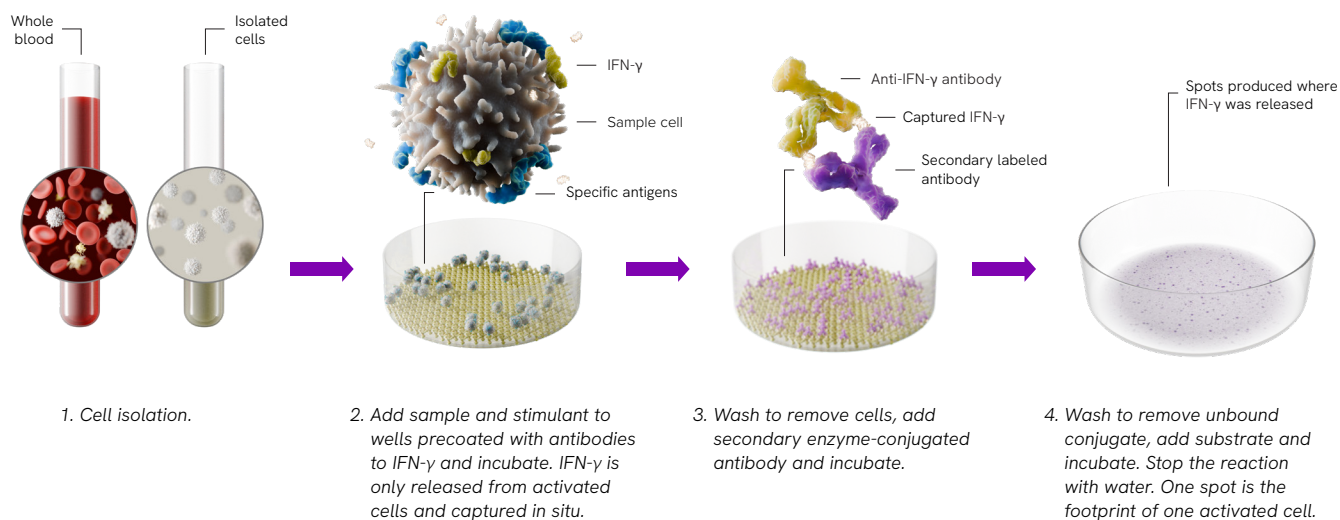
The T-SPOT technology

T cells are crucial components of the adaptive immune system, playing a central role in orchestrating almost all adaptive immune responses. By utilizing the T-SPOT technology (based on the ELISPOT methodology) to perform an interferon-gamma release assay (IGRA), T-SPOT.Flex can help you accurately identify and analyze T cell responses to specific pathogens, aiding in the detection and monitoring of various immune responses.

T-SPOT technology workflow

Whole blood
Isolated cells
IFN-γ
Sample cell
Specific antigens
Anti-IFN-γ antibody
Captured IFN-γ
Secondary labeled antibody
Spots produced where IFN-γ was released

1. Cell isolation.

2. Add sample and stimulant to wells precoated with antibodies to IFN-γ and incubate. IFN-γ is only released from activated cells and captured in situ.

3. Wash to remove cells, add secondary enzyme-conjugated antibody and incubate.

4. Wash to remove unbound conjugate, add substrate and incubate. Stop the reaction with water. One spot is the footprint of one activated cell.

* No plate coating or control panel reconstitution necessary

Please visit our product webpage to access instructions for use and ordering information

Learn more

[1] WHO operational handbook on tuberculosis. Module 3: diagnosis. Geneva: World Health Organization; 2025. Licence: CC BY-NC-SA 3.0 IGO.

**T-SPOT.Flex is for research use only.
Not for use in diagnostic procedures.**

2094500