

ELISpot Assay Services

Introduction

At Synexa Life Sciences, our ELISpot (Enzyme-Linked ImmunoSpot) assay services enable precise detection and quantification of antigen-specific immune responses at the single-cell level. This highly sensitive assay measures the secretion of cytokines, antibodies, or other immune markers, providing valuable insights into immune cell activity and function.

Our Expertise

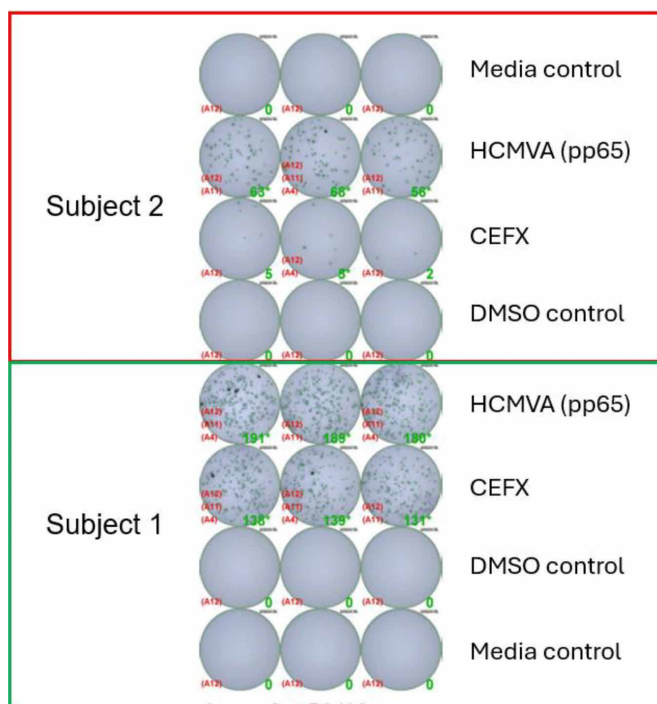
- High Sensitivity**
 Accurately detect immune responses, even at low frequencies, providing crucial insights into T-cell and B-cell activity, essential for evaluating patient responses.
- Custom Assay Development**
 Tailored assay solutions are specifically designed to meet the objectives of your clinical trial, ensuring relevant and reliable data.
- Expert Scientific Team**
 Our teams have extensive expertise in developing and executing ELISpot assays across therapeutic areas such as oncology, infectious diseases, immunology, and gene therapy, ensuring robust support throughout your trial.

 Synexa participates in the Immudex Multimer Proficiency Panel Programme - our team consistently achieves the highest possible scores in this scheme.
- End-to-End Support**
 Comprehensive project management from assay design through to data analysis and interpretation, providing a seamless experience from start to finish during clinical trials.
- Quality**
 Our laboratories strictly adhere to Good Clinical Laboratory Practice (GCLP) standards, producing high-quality data suitable for regulatory submissions and compliance in clinical trial settings.

Case Study

T Cell Response to HCMV and CEFX Peptides

Representative ELISpot assay results showing IFN- γ producing T cell responses from peripheral blood mononuclear cells (PBMCs). Cells were stimulated with the HCMV pp65 peptide pool, CEFX peptide pool, DMSO control, or media alone. Each condition was plated in triplicate.



Discuss your programme with a scientist

Speak directly with a Synexa scientist about your ELISpot assay requirements today.
 Email our team at contactus@synexagroup.com to get started.