

Oro prep™ ELISpot 96-Well Plate



Oro prep™ ELISpot 96-Well Plate

ELISpot, as a highly sensitive key tool in cellular immunology, is widely applied in cutting edge fields such as vaccine development, immunogenicity evaluation, and drug screening.

Cobetter Oro prep™ ELISpot 96 well plates are non pre-coated antibody type, consisting of a highly adaptable 96 well plate integrated with a high performance PVDF membrane. The product includes an upper cover, transparent 8 tube strips with PVDF membranes attached to the bottom, and a base.



Features and Benefits

Hydrophobic PVDF Membrane

- Low background, suitable for detection of most cytokines
- Stable and uniform membrane with excellent protein adsorption capacity

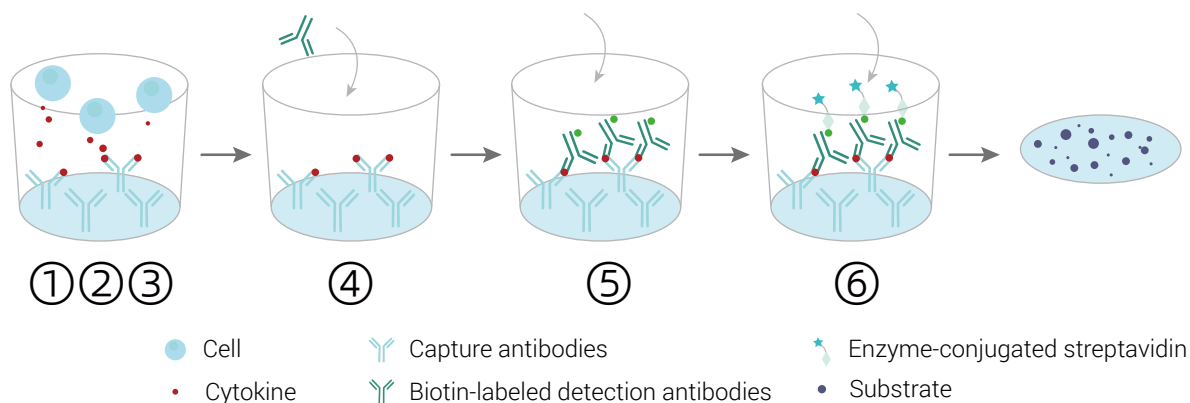
Plate Frame Design

- Compatible dimensions with common plate readers on the market, enhancing reading efficiency
- Made of high-transparency PMMA material, facilitating microscopic observation
- Secure bonding and sealing between the plate frame and membrane, ensuring no leakage

Sterility

- Manufactured in a Class 100,000 cleanroom environment with sterile certification, minimizing the risk of cell culture contamination

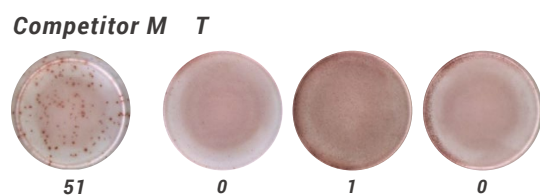
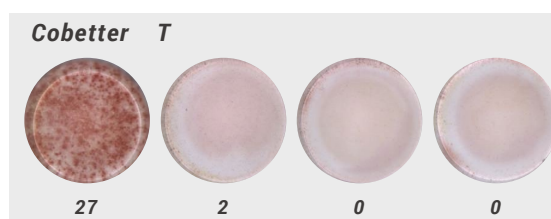
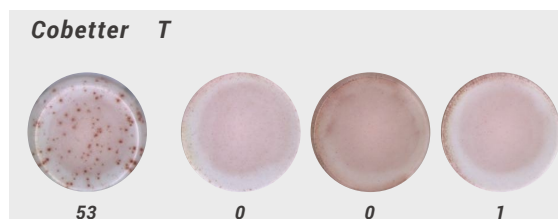
Principle of ELISpot (Enzyme-Linked Immunospot)



- ① A 96-well plate with a PVDF membrane base is pre-coated with capture antibodies;
- ② Add the cells to be tested along with stimulants to the wells;
- ③ Cytokines secreted by the activated cells bind to the pre-coated capture antibodies;
- ④ Wash the plate to remove cells, then add biotin-labeled detection antibodies;
- ⑤ Add enzyme-conjugated streptavidin;
- ⑥ Add enzyme substrate for color development. A visible spot forms at the location where each cell secreted the cytokine.

Experimental Data

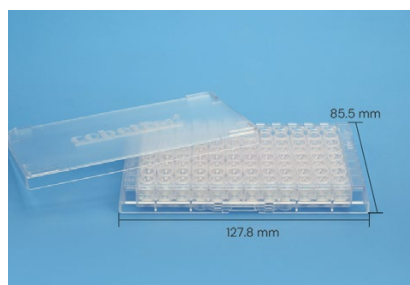
The comparative experimental results demonstrate that Cobetter Oro prep™ ELISpot 96-well plates exhibit a significant advantage, producing clear, distinct spots against a clean background. Their performance is markedly superior to that of imported brands.



Specification

Oro prep™ ELISpot 96-Well Plate

Product name



Size	Length: 127.8 mm
	Width: 85.5 mm
	Height without lid: 14.4 mm
Membrane	0.45 µm Hydrophobic PVDF
Binding type	High binding surface
Plate material	Plate: PMMA
	Lid: PS
Wells	Flat bottom wells
Well Filtration area	0.28 cm ²
Well maximum volume	300 µL
Working volume	50-250 µL
Sterility	Non-sterile, gamma compatible
Package	10/PK

Ordering Information

Part No.	Description	Membrane	Sterility	Qty/pk
OP96EAPVGXP	Oro prep™ ELISpot 96-well plate, Detachable 8-well strips	Hydrophobic PVDF, 0.45µm	Non-sterile	10