# Microtitration plate, 96-well

## Micropiastre per immunologia - colore trasparente - fondo a U



Le piastre per immunodosaggi sono realizzate in polistirene (PS) puro di nuova sintesi.

Disponibile anche nella versione Bianco o Nero

- Three different surfaces for adsorption of different biomolecules
- Low well-to-well variance
- Suitable for direct, indirect and Sandwich ELISA

**Plates for immunoassays** are manufactured from pure, newly synthesized polystyrene (PS). Storing large quantities of a raw material batch helps ensure that material-dependent variations in immunological assays can be reduced to a minimum between different assay plate productions.

**Applications**

+ Solid phase assays
+ Homogeneous assays
+ Fluorescence assays
+ Luminescence assays
+ Radioimmuno-assays (RIA)

**Features**

+ Three different surfaces
+ Different well bottom shapes
+ Strip plates (F8)
+ Compatible with all ANSI/SLAS conforming analytic equipment

**Optimized for the immobilization of IgG**

• Optimized for the immobilization of IgG, offering highest binding capacity for molecules with mixed hydrophilic and hydrophobic regions.
• The surface of choice for the majority of standard ELISAs.
• Suitable for solid phase immunoassays.
• Comparable to 'high-binding' plates from other manufacturers

**High binding (immunoGrade™)**

Highly adsorbent surface for peptides and proteins with a molecular weight > 10 kDa. These plates stand out for their hydrophilic and hydrophobic surface properties, and are highly optimized for binding of IgG and IgA. Non-specific binding of analytes can result in increased background signals. Because of this, saturating free binding sites can be helpful with this type of plate, to increase the sensitivity of the assay.

Also available in the version:

**Hydrophilized (hydroGrade™)**

The percentage of hydrophilic groups in the solid phase is higher when compared to standard high binding surfaces. Microplates with highly hydrophilized surfaces preferably immobilize hydrophilic molecules such as glycoproteins, glycopeptides, and nucleic acids The interaction between molecules and the surface can be easily influenced by pH level. The accessibility and detection of epitopes by specific antibodies can be impacted by surface-induced conformation changes to the bound molecules.

**Strongly hydrophobic (lipoGrade™)**

Microplates with a highly hydrophobic surface have an increased affinity to lipophilic biomolecules, such as lipoproteins and lipids. The plates are especially well-suited for liquid phase assays in which reaction components need to remain in a solution since the majority of hydrophilic biomolecules minimally bind to this surface.

**Medium binding (pureGrade™)**

Microplateswith a medium binding surface are verywell suited forimmobilizing proteinswith a molecularweight > 200 kDa. Typically, at this molecule size there are a large number of hydrophobic amino acids present that determine the strength of the interaction with hydrophobic styrol rings on the microplates.

| Codice | Descrizione | Capacità piastra ml | capacità di lavoro ml | Tipo | Colore | Conf. |
|---|---|---|---|---|---|---|
| 53781720 | Microtitration plate, 96-well | 330 | 40-300 | U bottom | Trasparente | 100 (20x5) |