

Product name : **Ni-NTA HisPrime Plates white - 5**

Catalog number : **2400730**

Ni-NTA HisPrime Plates

Ni-NTA in a solid-phase, 96-well format for 6xHis tag assay of proteins

Features and Benefits

- High sensitivity by uniform orientation of native His-tagged proteins bound to the Ni-NTA coated surface
- High selective binding for testing proteins even in crude lysates and diluted solutions
- Rapid and easy procedure for protein screening and assays

Ni-NTA HisPrime Strips and Plates provide Ni-NTA in a solid-phase, multiwell format for 6xHis tag assay of proteins or other molecules. Tagged molecules are not denatured and are bound to the plate in a uniform orientation. They are conformationally active while remaining available to detection reagents (antibodies or any interacting molecule). Ni-NTA HisPrime Strips and Plate exhibit increased sensitivity compared to polystyrene plates where molecules are randomly adsorbed in nonuniform orientations and can be denatured by immobilization. The strips and plates can be used to assay proteins in crude cell lysates and dilute solutions as 6xHis-tagged proteins are selectively bound to the Ni-NTA-coated surface.

Ni-NTA HisPrime Plates are available in either a transparent format for colorimetric assays, or an opaque, white format for luminescence- and fluorescence-based assays. They are compatible with standard multichannel pipets as well as automated plate washers and readers.

Specification:

Application:	High-throughput assays and automation
Binding capacity:	Small peptides: ~ 20 pmol/well Proteins: 2–10 pmol/well (10 pmol of a 25 kDa protein corresponds to 250 ng)
Support	Ni-NTA in a solid-phase, preblocked with BSA and charged with nickel for immediate use
Format:	96-well plates transparent format or opaque, white format
Assay suitability	Transparent plates: colorimetric Opaque plates: luminescence- and fluorescence
Maximum volume per well	300 µl
Storage	Dry at room temperature
Stability	1 year.

Specification: Ni-NTA HisPrime Plates can be used for the following:

- Quantifying 6xHis-tagged molecules
- Establishing ELISA or RIA procedures or diagnostic assays
- Studying molecular interactions
- Screening expression clones, engineered enzymes, pharmaceuticals, antibodies, or serum samples