

### Microplates, NeutrAvidin high binding capacity (HBC) coated, Thermo Scientific Pierce

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NEW

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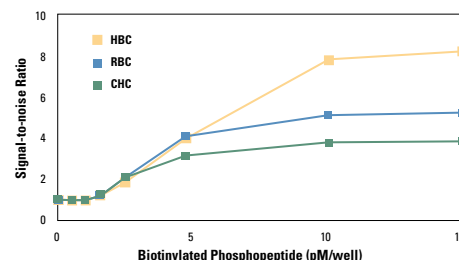
Unique technology for improved assay precision.

- Unique plate-coating technology – results in high loading of NeutrAvidin protein per well
- Improved sensitivity – less nonspecific binding for improved signal-to-noise ratios
- Broader dynamic range – extends the quantitative range so there is no need for dilutions
- Pre-blocked plates to reduce the number of assay steps

NeutrAvidin™ protein is a deglycosylated form of avidin with a near neutral pI that results in less nonspecific binding than that of streptavidin or avidin. Our patent-pending plate coating technology offers a NeutrAvidin HBC plate with a wider detection limit than our regular binding capacity plates. The standard curve exhibits greater linearity for detecting small biotinylated molecules such as peptides (see Figure) and oligonucleotides, resulting in greater assay precision.

Catalogue No	Coating	Type	Blocking buffers	Binding capacity <sup>1</sup>	Pack qty
<b>PN11507</b>	NeutrAvidin protein, 100µL	Clear, 96 well	SuperBlock BB, 200µL	~60pmol biotin/well	5
<b>PN15508</b>	NeutrAvidin protein, 100µL	Clear, 8 well strip	SuperBlock BB, 200µL	~60pmol biotin/well	5
<b>PN15511</b>	NeutrAvidin protein, 50µL	Clear, 384 well	SuperBlock BB, 200µL	~35pmol biotin/well	5
<b>PN15509</b>	NeutrAvidin protein, 100µL	White, 96 well	SuperBlock BB, 200µL	~60pmol biotin/well	5
<b>PN15512</b>	NeutrAvidin protein, 50µL	White, 384 well	SuperBlock BB, 200µL	~35pmol biotin/well	5
<b>PN15510</b>	NeutrAvidin protein, 100µL	Black, 96 well	SuperBlock BB, 200µL	~60pmol biotin/well	5
<b>PN15513</b>	NeutrAvidin protein, 50µL	Black, 384 well	SuperBlock BB, 200µL	~35pmol biotin/well	5

<sup>1</sup>Approximate values



**Comparison of Thermo Scientific NeutrAvidin High Binding Capacity (HBC) coated plate, NeutrAvidin Regular Binding Capacity (RBC) coated plates and another suppliers' Streptavidin coated High Binding Capacity plates (CHC).** Plates were incubated with various dilutions of biotinylated, phosphorylated peptide. After washing, the plates were incubated with mouse anti-phosphotyrosine antibody (1:1,000) and then detected using an anti-mouse-FITC conjugate (1:666).

### Microplates, NeutrAvidin coated, polystyrene, Thermo Scientific Pierce

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The high affinity of avidin for biotin, without the non-specific binding problems.

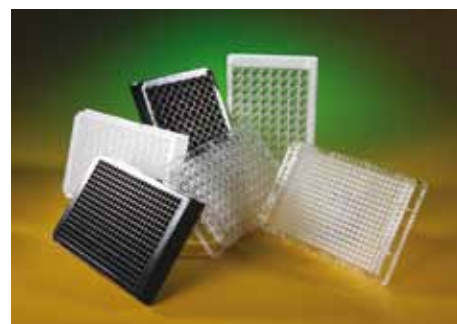
- Ideal for binding small hydrophilic molecules (e.g., peptides) that typically exhibit poor binding directly to polystyrene
- Easy and gentle immobilisation of biotin-containing conjugates
- Lowest nonspecific binding properties of all biotin-binding proteins
- Pre-blocked with your choice of Thermo Scientific Blocker BSA or SuperBlock Blocking Buffer
- No denaturing of the protein component of a conjugate upon binding to the plate

Comparison of biotin-binding proteins

Protein	Isoelectric point	Contains carbohydrate	Non-specific binding
Avidin	10 to 10.5	Yes	High
Streptavidin	5	No	Low
NeutrAvidin protein	6.3	No	Ultralow

Catalogue No	Coating	Description	Blocking buffers	Binding capacity <sup>1</sup>	Pack qty
<b>PN15129</b>	NeutrAvidin protein, 100µL	Clear, 96 well	SuperBlock BB, 200µL	~15pmol biotin/well	5
<b>PN15127</b>	NeutrAvidin protein, 200µL	Clear, 8 well strip	Superblock BB, 200µL	~15pmol biotin/well	5
<b>PN15400</b>	NeutrAvidin protein, 50µL	Clear, 384 well	SuperBlock BB, 100µL	~10pmol biotin/well	5
<b>PN15116</b>	NeutrAvidin protein, 100µL	White, 96 well	SuperBlock BB, 200µL	~15pmol biotin/well	5
<b>PN15401</b>	NeutrAvidin protein, 50µL	White, 384 well	SuperBlock BB, 100µL	~10pmol biotin/well	5
<b>PN15117</b>	NeutrAvidin protein, 100µL	Black, 96 well	SuperBlock BB, 200µL	~15pmol biotin/well	5
<b>PN15402</b>	NeutrAvidin protein, 50µL	Black, 384 well	SuperBlock BB, 100µL	~10pmol biotin/well	5
<b>PN15123</b>	NeutrAvidin protein, 200µL	Clear, 96 well	Blocker BSA, 300µL	~15pmol biotin/well	5
<b>PN15128</b>	NeutrAvidin protein, 200µL	Clear, 8 well strip	Blocker BSA, 300µL	~15pmol biotin/well	5
<b>PN15216</b>	NeutrAvidin protein, 200µL	White, 96 well	Blocker BSA, 300µL	~15pmol biotin/well	5
<b>PN15217</b>	NeutrAvidin protein, 200µL	Black, 96 well	Blocker BSA 300µL	~15pmol biotin/well	5

<sup>1</sup>Approximate values



Catalogue No	Description	Pack qty
<b>PN15115</b>	Pierce biotin binding plate sample pack, one each of <b>PN15120</b> , <b>PN15121</b> , (streptavidin) <b>PN15127</b> , <b>PN15128</b> (neutravidin)	4