

Life Diagnostics, Inc.

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Horse Haptoglobin

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|---------------|---|
| Catalog No. | 8150 |
| Analysis | SDS PAGE: ~40 & ~10 kDa bands indicative of β - and α - chains of haptoglobin. |
| Purity | $\geq 90\%$ |
| Concentration | ≥ 0.5 mg/ml ($E^{1\%}$ @ 280nm = 16.0) |
| Buffer | 10 mM Sodium phosphate (pH 7.2), 150 mM NaCl, 0.1% sodium azide |
| Storage | -20 to -70°C. Avoid repeated freeze-thaws |
| Source | Horse serum |

Haptoglobin is a serum protein that consists of two alpha and two beta chains connected by disulfide bridges. The alpha and beta chains are characterized by molecular weights of ~10 kDa and ~40 kDa respectively. It acts as a hemoglobin scavenger and has been associated with protease inhibitory activity. It is a positive acute phase reactant, the levels of which increase significantly in horses in response to inflammation, tissue injury or disease. Haptoglobin is purified using a combination of affinity and gel filtration chromatography steps.

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