

Life Diagnostics, Inc.

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Horse Haptoglobin

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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