

Life Diagnostics, Inc.

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Horse Haptoglobin ***(Lyophilized)***

Catalog No.	8150-L
Analysis	SDS PAGE: ~40 & ~10 kDa bands indicative of β - and α - chains of haptoglobin.
Purity	$\geq 95\%$
Format	Lyophilized from a 3 to 5 mg/ml stock solution in deionized water. Concentration is determined by A_{280} , assuming Abs 0.1% (1 mg/ml) = 1.678.
Storage	-20 to -70°C. Ships on ice packs
Reconstitution	Reconstitute to a concentration of 1-5 mg/ml using PBS. The reconstituted protein should be aliquoted and stored at -20 to -70°C.
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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