

# ***Life Diagnostics, Inc.***

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## ***Bovine $\alpha$ -1-Acid Glycoprotein***

Catalog No.	8340
Analysis	SDS PAGE: ~40 Da band, $\geq 95\%$
Concentration	2.5-10 mg/ml (assuming an extinction coefficient at 280 nm of 1.24 for a 1 mg/ml solution, path length = 1 cm)
Buffer	150 mM NaCl, 10 mM sodium phosphate, 0.05% NaN <sub>3</sub> (pH 7.4)
Storage	-20°C
Source	Bovine serum

$\alpha$ -1-Acid glycoprotein (A1AGP) is one of the most acidic proteins found in serum. It has a molecular weight of approximately 40 kDa with a high (~45%) content of carbohydrate. It is a positive acute phase reactant, the levels of which increase significantly in response to inflammation, tissue injury and disease. A1AGP is purified using a combination of acid extraction, precipitation, gel filtration and affinity chromatography steps.

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