



PRODUCT SPECIFICATION

α -1-Antitrypsin (AAT), Human

Catalog Number: A1714 **Part Number:** 90082

Source: Human Plasma

Form

White to off-white powder, lyophilized from 25mM ammonium bicarbonate

Purity Specification

≥ 95% by SDS-PAGE. Identity confirmed by IEP

Protein / Content Specification

Report protein concentration by A_{280} prior to lyophilization. ($E_{mg/ml} = 0.53$)

Activity Specification

Report inhibitory activity (units/mg AAT)

One unit of AAT will inhibit one unit of bovine trypsin at 25°C in 5 minutes at pH 8.0, where one unit of bovine trypsin will hydrolyze 1 μ mole of N-a-Benzoyl-DL-Arginine-pNA (BAPNA) per minute at 25°C, pH 8.0.

Storage / Shipping

Product is shipped using a refrigerated gel pack or dry ice (**not temperature monitored**). On arrival, store refrigerated at 2°C to 8°C short term (up to 2 weeks) or frozen below -15°C. After reconstituting, store frozen in small aliquots. Avoid repeated freeze-thaw cycles.

Precaution / Hazard Statement

Tested and found negative for HIV 1 & 2, Hepatitis B, and Hepatitis C. Although source materials have been tested for certain diseases, no test can absolutely assure the absence of all infectious agents. Therefore, this product should be handled as a potential biohazard.

Intended Use: For Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

Manufacturers of the highest quality proteins and antibodies.