



## PRODUCT SPECIFICATION

### $\alpha$ -1-Antichymotrypsin (ACT), Human

**Catalog Number:** A1824      **Part Number:** 90006

**Source:** Human Plasma

#### **Form**

Clear liquid - Buffer: 20mM Tris, 150mM Sodium Chloride, pH 7.4  $\pm$  0.1

#### **Purity Specification**

$\geq$  95% by SDS-PAGE

#### **Protein / Content Specification**

$\geq$  0.5 mg/ml by  $A_{280}$  ( $E_{mg/ml} = 0.60$ )

#### **Activity Specification**

Report activity

#### **Characteristics Specification**

One inhibitory unit of ACT is the amount that will form a complex with one unit of chymotrypsin in 5 minutes at 25°C, pH 8.0.

One unit of chymotrypsin is defined as the amount of enzyme that will hydrolyze 1  $\mu$ mole of N-Suc-Ala-Ala-Pro-Phe-PNa 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 frozen below -15°C. Avoid repeated freeze-thaw cycles by packaging into smaller sizes and freezing.

#### **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.*