



TEST MIXTURE

Specifications & Handling Information

Catalog No. 1700-0070 (5.0 mL)
Description: Amino Acid Test Mixture, in 0.01 N HCl, 0.25 μ mole/mL

▪ USAGE

Test Mixtures are the qualitative standards and intended to be used to establish an elution profile and for troubleshooting. The Amino Acid Test Mixture contains Cysteic Acid, Serine, and Threonine in 0.01 N HCl at a concentration of approximately 0.25 μ mole/mL. The three Amino Acids are eluted isocratically with the 1st eluant.

NOTE: Full, fixed loop injection is required; partial loop injection will not work.

Cysteic acid is not retained by the stationary phase so its retention time may be used to calculate the system void volume. The resolution between Threonine and Serine is indicative of band spreading due to:

INJECTION SYSTEM: Partial loop injection, leaks, excessive tubing lengths, or internal leaks in the injector.

FITTINGS (Injector to Detector): Improperly swaged ferrules, excessive dead volumes, or leaks.

CONNECTING TUBINGS: Excessive lengths or inside diameters larger than 0.010 in.

DETECTOR: Too large a flowcell or leaks.

GUARD OR COLUMN: Fitting leaks, resin fouling due to irreversible binding of solutes or back-flow or reagent, particulate fouling of entrance frits, or head-space due to loss of resin or excessive flow rate.

▪ STORAGE

Store frozen.

▪ CONSTITUENTS

L-Cysteic Acid
L-Serine
L-Threonine