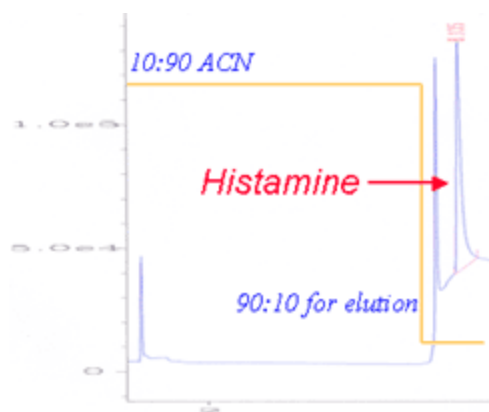




HPLC
PRODUCTS

Cogent F5™ Histamine

Cogent
HPLC Columns



Method Conditions

Column: Cogent F5™,
Phenyl-Pentafluoro

Catalog Number: 60022-7.5

Column Dimensions: 75mm x 4.6mm ID

Stationary Phase Description: 5µm, spherical silica
with 60Å pores, Phenyl phase

Mobile Phase: 10:90 20mM Ammonium

Formate/Ammonium Hydroxide: Acetonitrile,

Elution Mobile Phase: 90:10 20mM pH 8.00 Ammonium

Formate/Ammonium Hydroxide: Acetonitrile

Flow Rate: 3ml/minute

Sample: Histamine Standard

Injection Volume: 1µl

Detection: 254 nm

PENTAFLUORO-PHENYL
Cogent F5

Discussion of Chromatogram:

Getting Histamine to retain on an HPLC column can be challenging. It often elutes with the solvent front. Using the Cogent F5™ Pentafluoro Phenyl column and the above method conditions, you can retain histamine from your sample for as long you like due to the hydrogen bonding that takes place. To elute the compound, simply change your mobile phase to 90% 20mM Ammonium Formate/Ammonium Hydroxide and 10% Acetonitrile and the compound will quickly release from the column. This is a very effective tool for other compounds similar to Histamine that are likely to hydrogen bond.