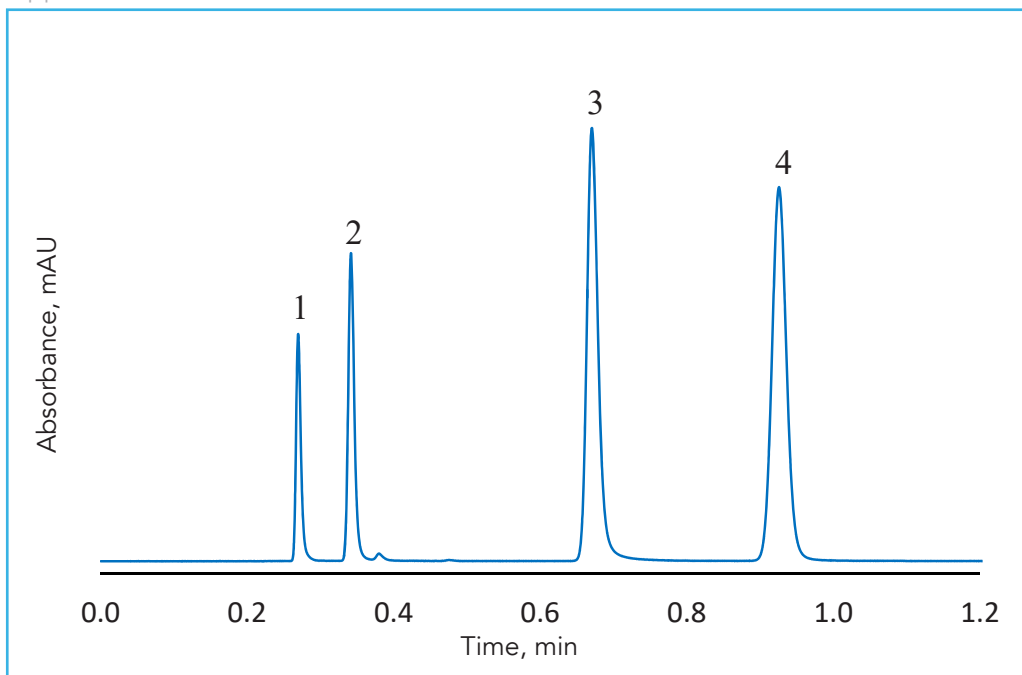




## HALO® AQ-C18 Separation of Nucleobases

Application Note 158-NU



### PEAK IDENTITIES:

1. Thiourea
2. 5-Fluorocytosine
3. Adenine
4. Thymine

This separation of nucleobases on a HALO® AQ-C18 column shows excellent peak shape and efficiency using 100% aqueous mobile phase conditions.

### TEST CONDITIONS:

**Column:** HALO 90 Å AQ-C18, 2.7 μm,  
4.6 x 50 mm

**Part Number:** 92814-422

**Isocratic:** Water, 0.1% TFA

**Flow Rate:** 2.0 mL/min

**Pressure:** 290 bar

**Temperature:** 30 °C

**Detection:** UV 254 nm, PDA

**Injection Volume:** 0.5 μL

**Sample Solvent:** Water, 0.1% TFA

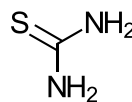
**Response Time:** 0.05 sec

**Flow Cell:** 1.0 μL

**Acquisition Rate:** 100 Hz

**LC System:** Shimadzu Nexera X2

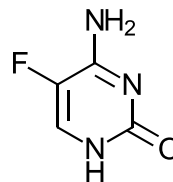
### STRUCTURES:



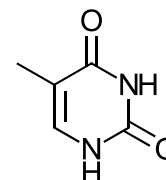
Thiourea



Adenine



5-Fluorocytosine



Thymine

