



Sample : 1ppm Caffeine in 10% BSA, 100 $\mu$ L

#### Pretreatment

Column : Shodex MSpak PK-2A (2.0mmID\*10mm)  
 Eluent : 10mM CH<sub>3</sub>COONH<sub>4</sub> (pH7.0)  
 Flow rate : 0.5mL/min  
 Column temp. : Room temp.  
 Switching time : 5min

#### Analysis

Column : Shodex Asahipak ODP-50 2D (2.0mmID\*150mm)  
 Eluent : 10mM CH<sub>3</sub>COONH<sub>4</sub> (pH7.0) / CH<sub>3</sub>CN  
 (step gradient) 0 to 10min : 90/10, 10 to 20min : 50/50,  
 after 20min : 90/10  
 Flow rate : 0.5mL/min  
 Detector : UV (254nm)  
 Column temp. : Room temp.