

## Analysis of 8 kinds of sulfa drug

The usage of antibiotics in animal and fishery products has been becoming a serious concern because they may adversely affect the human body depending on the residual level. Therefore, it is very important to analyze the residual amount so that the concentration is not over the standard level for safety. Fig. 1 shows the chromatogram of 8 components of sulfa drug used as an antibacterial agent using a gradient elution method.

### Conditions:

Pump: PU-980  
 Detector: UV-970  
 Wavelength: 260 nm  
 Column: Finepak SIL C18S  
 Eluent: A: 100 mM CH<sub>3</sub>COONH<sub>4</sub>  
           + 0.5% CH<sub>3</sub>COOH  
           B: CH<sub>3</sub>CN  
 Flow rate: 1.0 ml/min  
 Sample: SH: Sulfanilic acid  
           ASH: Acetylsulfanilic acid  
           SA: Sulfanilamide  
           ASA: Acetylsulfanilamide  
           ASC: Acethylsulfanilyl chloride  
           PCDA: p-Chloroacetanilide  
           PCA: p-Chloroaniline  
           CBSA: p-Chlorobenzenesulfanilamide

