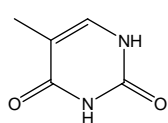


## 核酸塩基

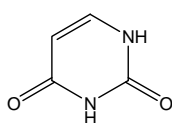
## Nucleic acid bases

核酸塩基は、逆相カラムでの保持は困難ですが、親水性相互作用による保持分離は可能です。CAPCELL CORE PC S2.7 (2.1 mm i.d. x 150 mm) は、5種類の核酸塩基を3分以内に良好に分離しました。

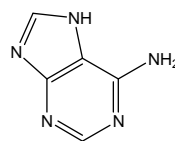
It is difficult to obtain adequate retention of nucleic acid bases in a reversed phase. CAPCELL CORE PC S2.7 (2.1 mm i.d. x 150 mm), a column of hydrophilic interaction chromatography, however, could retain and efficiently separate five bases within three minutes.



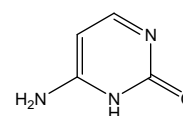
1. チミン (5 µg/mL)  
Thymine (M.W. 126.1)



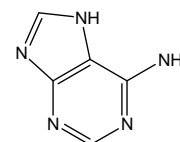
2. ウラシル (5 µg/mL)  
Uracil (M.W. 112.1)



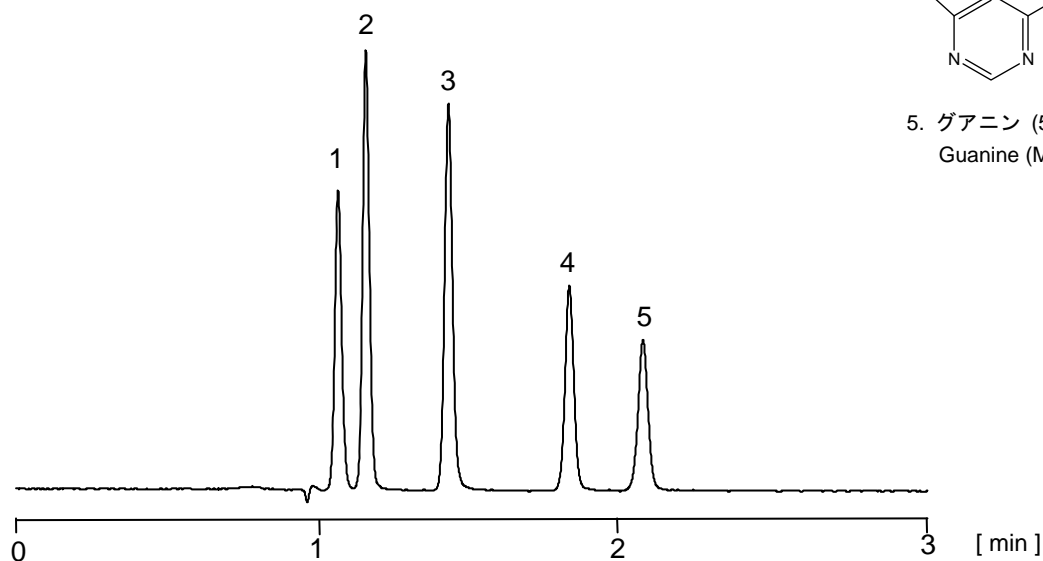
3. アデニン (5 µg/mL)  
Adenine (M.W. 135.1)



4. シトシン (5 µg/mL)  
Cytosine (M.W. 111.1)



5. グアニン (5 µg/mL)  
Guanine (M.W. 151.1)



### 【HPLC Conditions】

Column : CAPCELL CORE PC S2.7 ; 2.1 mm i.d. x 150 mm  
Mobile phase : 10 mmol/L HCOONH<sub>4</sub> / CH<sub>3</sub>CN = 15 / 85  
Flow rate : 400 µL/min  
Temperature : 40 °C  
Detection : UV 254 nm  
Inj. vol. : 1 µL  
Sample dissolved in : Mobile phase  
※ 1µg/mL = 1 ppm