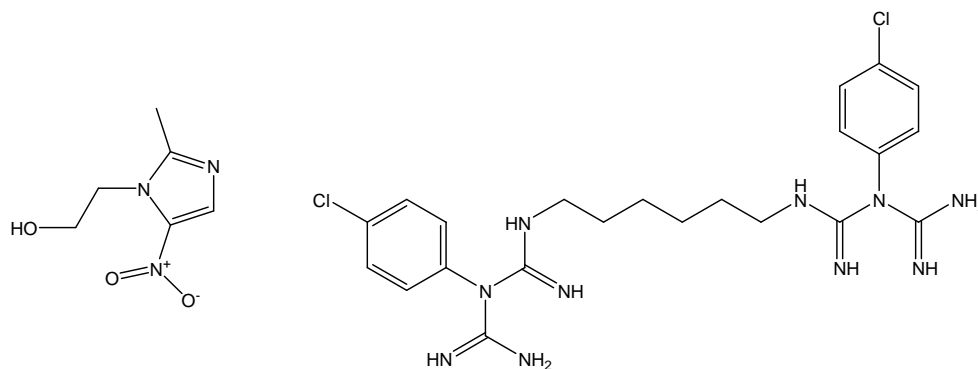


## 抗菌薬

## Antibacterial drugs

中国薬典 2010 版の分析方法に従い実施した 3 種の抗菌薬の分析例を示します。カラムは CAPCELL PAK C<sub>8</sub> DD S5 (4.6 mm i.d. x 250 mm) を用いました。それぞれの化合物について、十分な保持と良好なピーク形状が得られました。

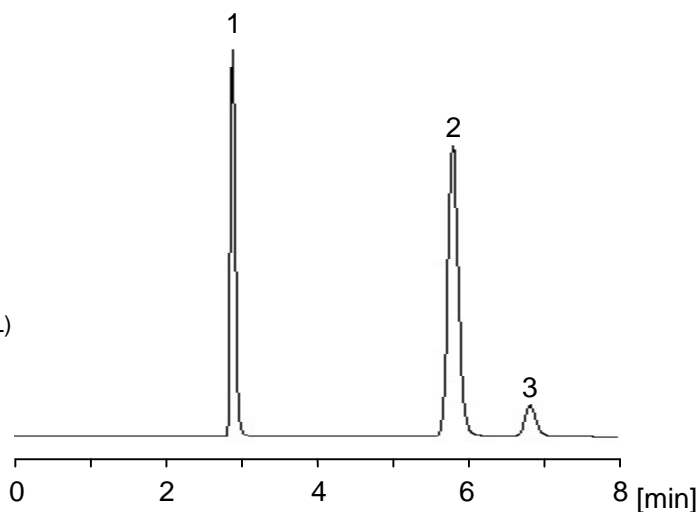
Three antibacterial drugs were analyzed according to the method described in the Chinese Pharmacopoeia 2010. Using CAPCELL PAK C<sub>8</sub> DD S5 (4.6 mm i.d. x 250 mm), the three compounds were adequately separated with good peak shapes.



1. メトロニダゾール (2000  $\mu\text{g/mL}$ )  
Metronidazole (M.W. 171.2)

2. クロルヘキシジン (800  $\mu\text{g/mL}$ )  
Chlorhexidine (M.W. 505.4)

3. クロトリマゾール (1600  $\mu\text{g/mL}$ )  
Clotrimazole (M.W. 344.9)



### 【HPLC Conditions】

Column : CAPCELL PAK C<sub>8</sub> DD S5 ; 4.6 mm i.d. x 250 mm  
 Mobile phase : CH<sub>3</sub>OH / H<sub>2</sub>O / Triethylamine = 70 / 30 / 0.3  
 10 mmol/L of sodium hexanesulfonate was added to the above solution, and the pH value was adjusted at pH 4.0 with H<sub>3</sub>PO<sub>4</sub>.  
 Flow rate : 1 mL/min  
 Temperature : 35 °C  
 Detection : UV 260 nm  
 Inj. vol. : 1  $\mu\text{L}$   
 Sample dissolved in : Mobile phase  
 1  $\mu\text{g/mL}$  = 1 ppm