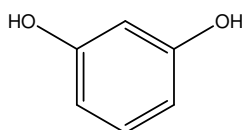
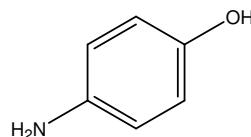


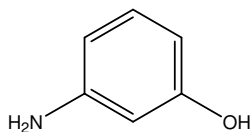
酸化染毛剤 7 種を CAPCELL PAK C₁₈ SG300 S5、CAPCELL PAK C₈ DD S5、CAPCELL PAK C₁₈ KG S5 及び CAPCELL PAK ADME-HR S5 (いずれもカラムサイズは 4.6 mm i.d. x 250 mm) で分析した例を示します。C₁₈ SG300 カラム、C₈ DD カラム及び C₁₈ KG カラムでは良好な分離を示しました。さらに C₁₈ SG300 カラムにおいては 30 分以内で7成分全てを分離可能でした。



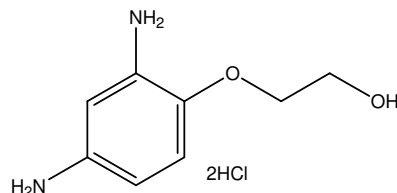
1. レゾルシノール (100 µg/mL)
Resorcinol (M.W. 110.1)



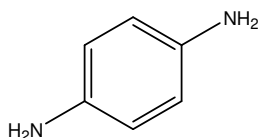
2. *p*-アミノフェノール (100 µg/mL)
p-Aminophenol (M.W. 109.1)



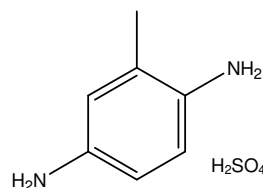
3. *m*-アミノフェノール (100 µg/mL)
m-Aminophenol (M.W. 109.1)



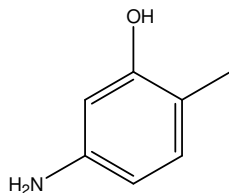
4. 2,4-ジアミノフェノキシエタノール二塩酸塩 (100 µg/mL)
2-(2,4-Diaminophenoxy)ethanol dihydrochloride (M.W. 168.2)



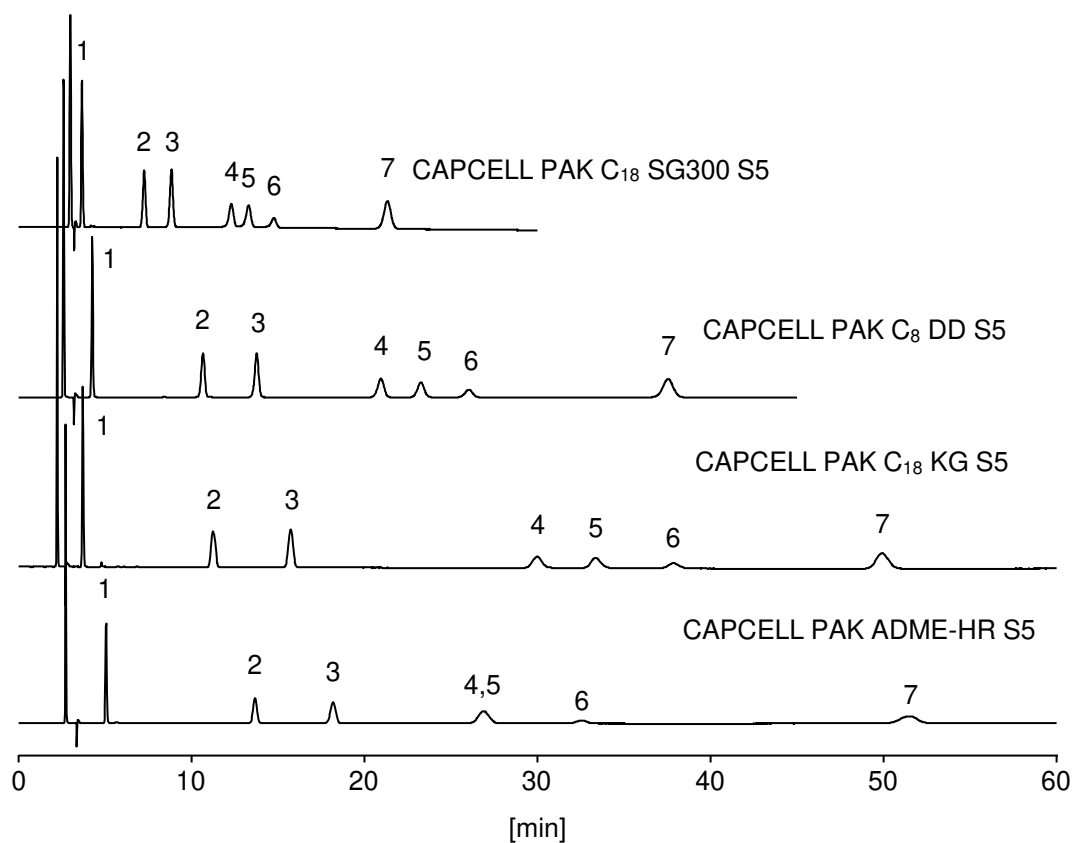
6. *p*-フェニレンジアミン (100 µg/mL)
p-Phenylenediamine (M.W. 108.1)



7. 2,5-ジアミノトルエン硫酸塩 (100 µg/mL)
2,5-Toluenediamine sulfate (M.W. 122.2)



8. 5-アミノ-*o*-クレゾール (100 mg/mL)
5-Amino-*o*-cresol (M.W. 123.2)



【HPLC Conditions】

Column size : 4.6 mm i.d. x 250 mm
 Mobile phase : 15 mmol/L Sodium 1-octanesulfonate, 5mmol/L KH₂PO₄
 (adjusted at pH 2.3 with H₃PO₄) / CH₃OH = 65 / 35
 Flow rate : 1 mL/min
 Temperature : 40 °C
 Detection : UV 280 nm
 Inj. vol. : 10 μL
 Sample dissolved in : Resorcinol, *p*-aminophenol, *m*-aminophenol, 2-(2,4-diaminophenoxy)ethanol dihydrochloride, *p*-phenylenediamine and 5-amino-*o*-cresol were dissolved in a solution of 1 mg/mL ascorbic acid in 50 vol% ethanol at 1 mg/mL. 2,5-Toluenediamine sulfate was dissolved in a solution of 1 mg/mL ascorbic acid in water at 1 mg/mL. 100 μL of all solutions were mixed together and water added to the mixture to make 1 mL.

※ 1 μg/mL = 1 ppm