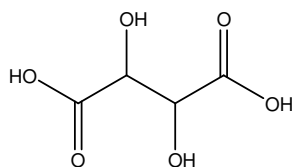


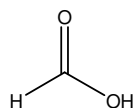
## 有機酸

## Organic acids

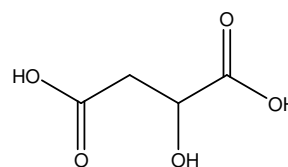
カルボキシル基を有する 10 種類の有機酸を分析した例を示します。水系 100%移動相を使用可能な CAPCELL PAK ADME-HR S5 (4.6 mm i.d. x 250 mm) を用いることで、良好な分離を達成しています。



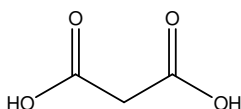
1. 酒石酸 (50 µg/mL)  
Tartaric acid (M.W. 150.1)



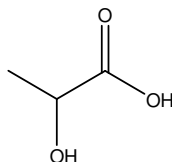
2. ギ酸 (300 µg/mL)  
Formic acid (M.W. 46.0)



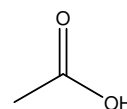
3. リンゴ酸 (100 µg/mL)  
Malic acid (M.W. 134.1)



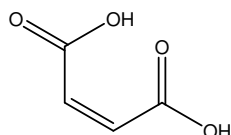
4. マロン酸 (100 µg/mL)  
Malonic acid (M.W. 104.1)



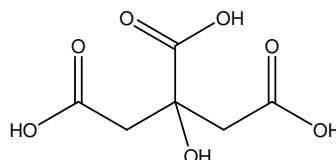
5. 乳酸 (300 µg/mL)  
Lactic acid (M.W. 90.1)



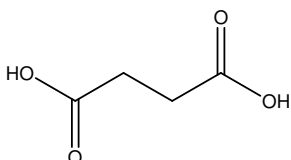
6. 酢酸 (200 µg/mL)  
Acetic acid (M.W. 60.1)



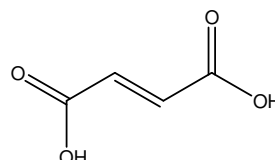
7. マレイン酸 (1 µg/mL)  
Maleic acid (M.W. 116.1)



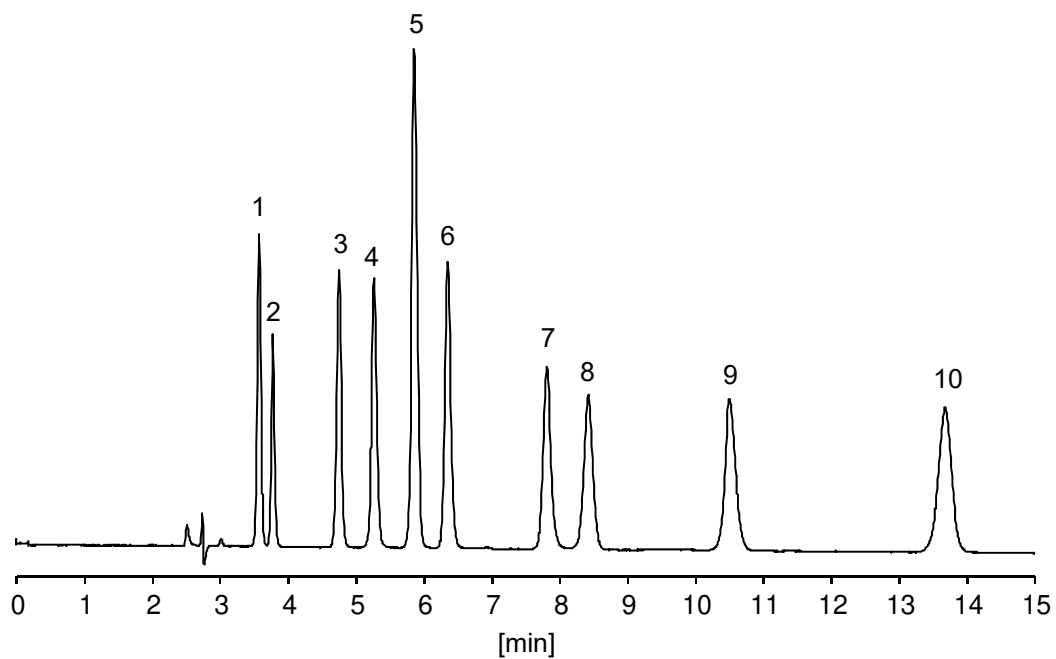
8. クエン酸 (100 µg/mL)  
Citric acid (M.W. 192.1)



9. コハク酸 (200 µg/mL)  
Succinic acid (M.W. 118.1)



10. フマル酸 (1 µg/mL)  
Fumaric acid (M.W. 116.1)



**【HPLC Conditions】**

Column : CAPCELL PAK ADME-HR S5 ; 4.6 mm i.d. x 250 mm  
Mobile phase : 0.2 vol% H<sub>3</sub>PO<sub>4</sub>  
Flow rate : 1000 μL/min  
Temperature : 35 °C  
Detection : UV 215 nm  
Inj. vol. : 20 μL  
Sample dissolved in : H<sub>2</sub>O  
※ 1 μg/mL = 1 ppm