

クレアチニンの分析

クレアチニンはクレアチンリン酸の代謝物であり、腎機能を示す指標とされます。カラムには Develosil ANIDIUSを使用し、有機溶媒濃度の影響も検討しました。

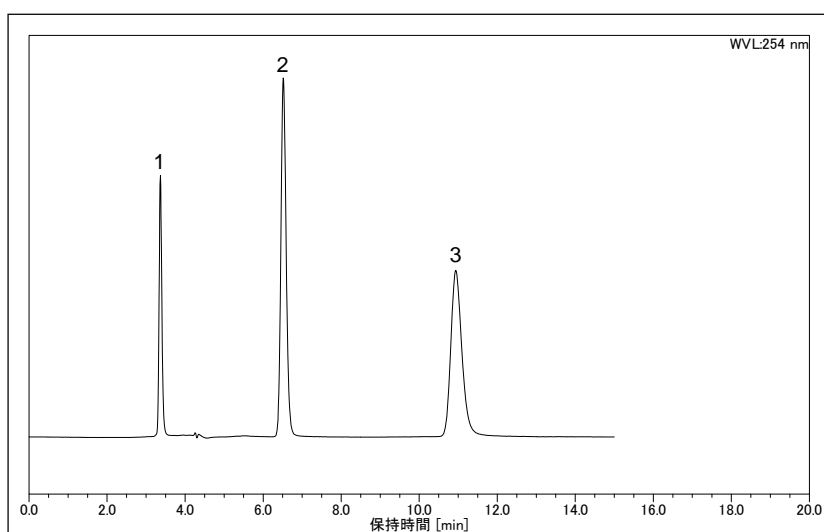


Fig.1 Analysis of Creatinine

Conditions;

Column: Develosil ANIDIUS
(4.6x150mm)

Mobile phase:

ACN/10mM HCOONH₄(pH3.0)=90/10

Flow rate: 0.5ml/min

Temperature: 30°C

Detection: UV254nm(PDA)

Sample: Naphthalene, Uracil, Creatinine

Concentration: 20ppm

Injection volume: 5μL

System: DIONEX/Ultimate 3000 Series

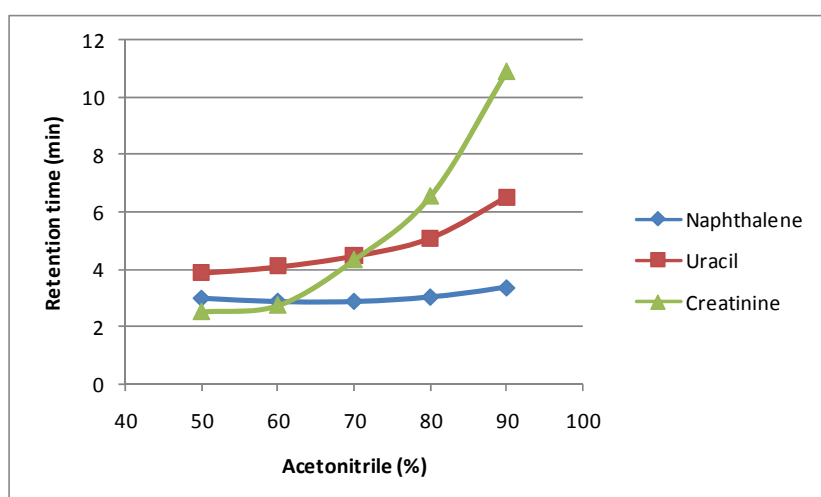


Fig.2 Effect of ACN concentration

Conditions;

Column: Develosil ANIDIUS
(4.6x150mm)

Mobile phase:

ACN/10mM HCOONH₄(pH3.0)

Flow rate: 0.5ml/min

Temperature: 30°C

Detection: UV254nm(PDA)

Sample: Naphthalene, Uracil, Creatinine

Concentration: 20ppm

Injection volume: 5μL

System: DIONEX/Ultimate 3000 Series