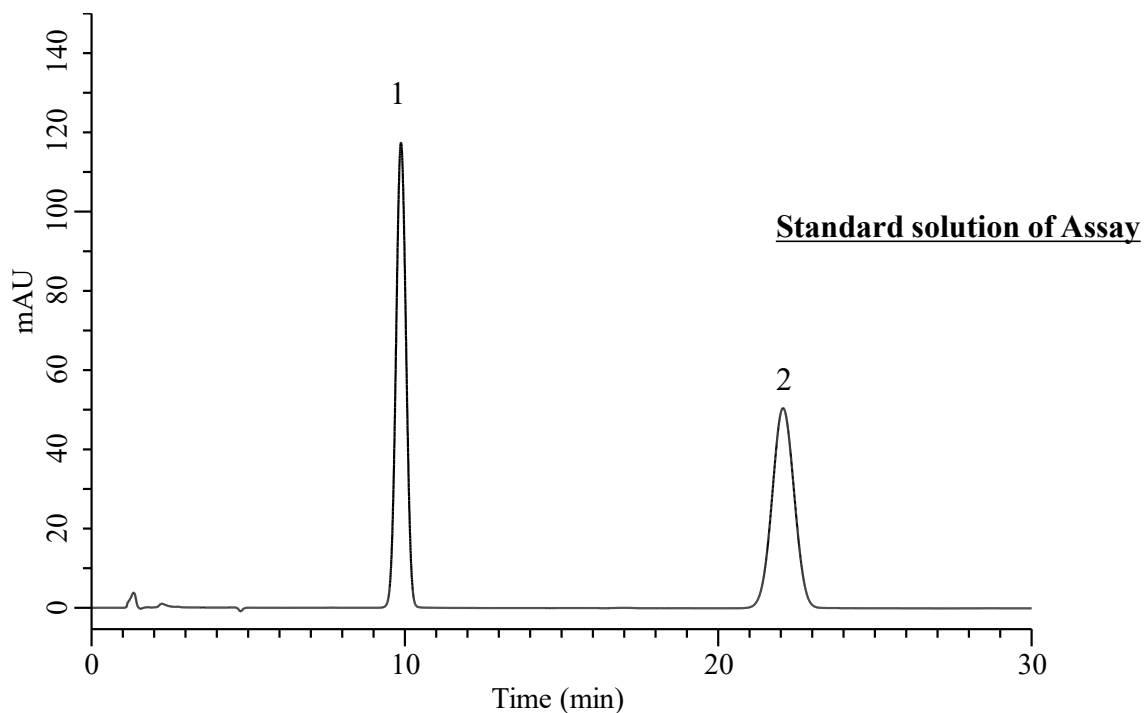


Analysis of Celecoxib

(Under the Condition of the draft for Japanese Pharmacopoeia, Celecoxib Tablets)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : Inertsil Ph-3 (GL Sciences Inc.)
 (5 μ m, 250 x 4.0 mm I.D.)
Column Cat. No. : 5020-01923
Eluent : A) CH₃CN
 B) CH₃OH
 C) Buffer*
Flow Rate : A/B/C = 100/300/600, v/v/v
Col. Temp. : 2.0 mL/min
Detection : 60 °C
Injection Vol. : UV 215 nm
Sample : 25 μ L
 Standard

Analyte:

1. Benzyl 4-hydroxybenzoate 50 μ g/mL
 2. Celecoxib 50 μ g/mL

Resolution (1, 2) : 12.7 (≥ 10)

RSD of the peak area ratio of 2 to 1 (%) (n=6) : 0.04 (≤ 1.0)

*Adjust the pH to 3.0 by adding phosphoric acid to a 0.02 mol/L potassium dihydrogen phosphate solution.