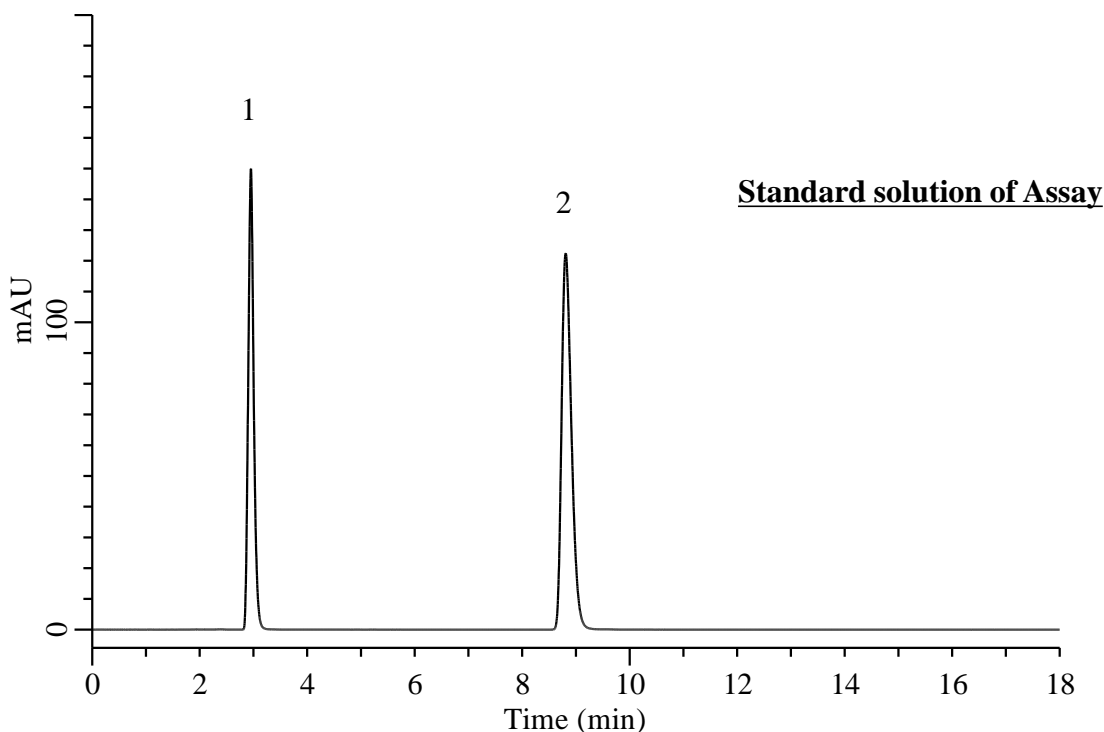


Analysis of Paracetamol and Mefenamic acid

(Under the Condition of the draft for the Indian Pharmacopoeia, Paracetamol and Mefenamic Acid Suspension)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : Inertsil ODS-3 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-01732
Eluent : A) CH₃CN
 B) CH₃OH
 C) Buffer*
 A/B/C = 40/10/50, v/v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 25 °C
Detection : UV 285 nm
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

| | |
|--------------------------|----------------------|
| 1. Paracetamol | 0.125 mg/mL |
| 2. Mefenamic acid | 0.05 mg/mL |
| Tailing factor | |
| peak area of 1 | : 1.17 (\leq 2.0) |
| peak area of 2 | : 1.36 (\leq 2.0) |
| RSD of the | |
| peak area of 1 (%) (n=6) | : 0.18 (\leq 2.0) |
| peak area of 2 (%) (n=6) | : 0.17 (\leq 2.0) |

* Dissolve 8.37g of potassium dihydrogen orthophosphate and 6.71g of dipotassium hydrogen orthophosphate in 1000 ml of water, adjusted to pH 6.5 with dilute orthophosphoric acid.