

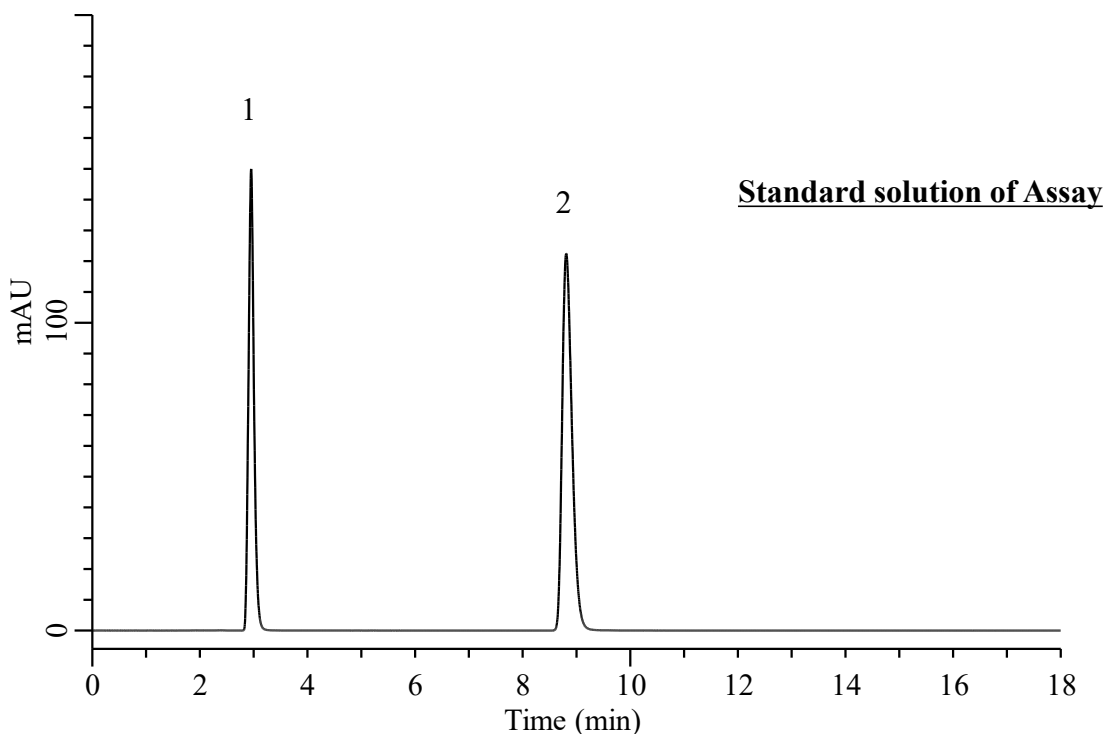
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Analysis of Paracetamol and Mefenamic acid

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

Data No. LB881-7111



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.