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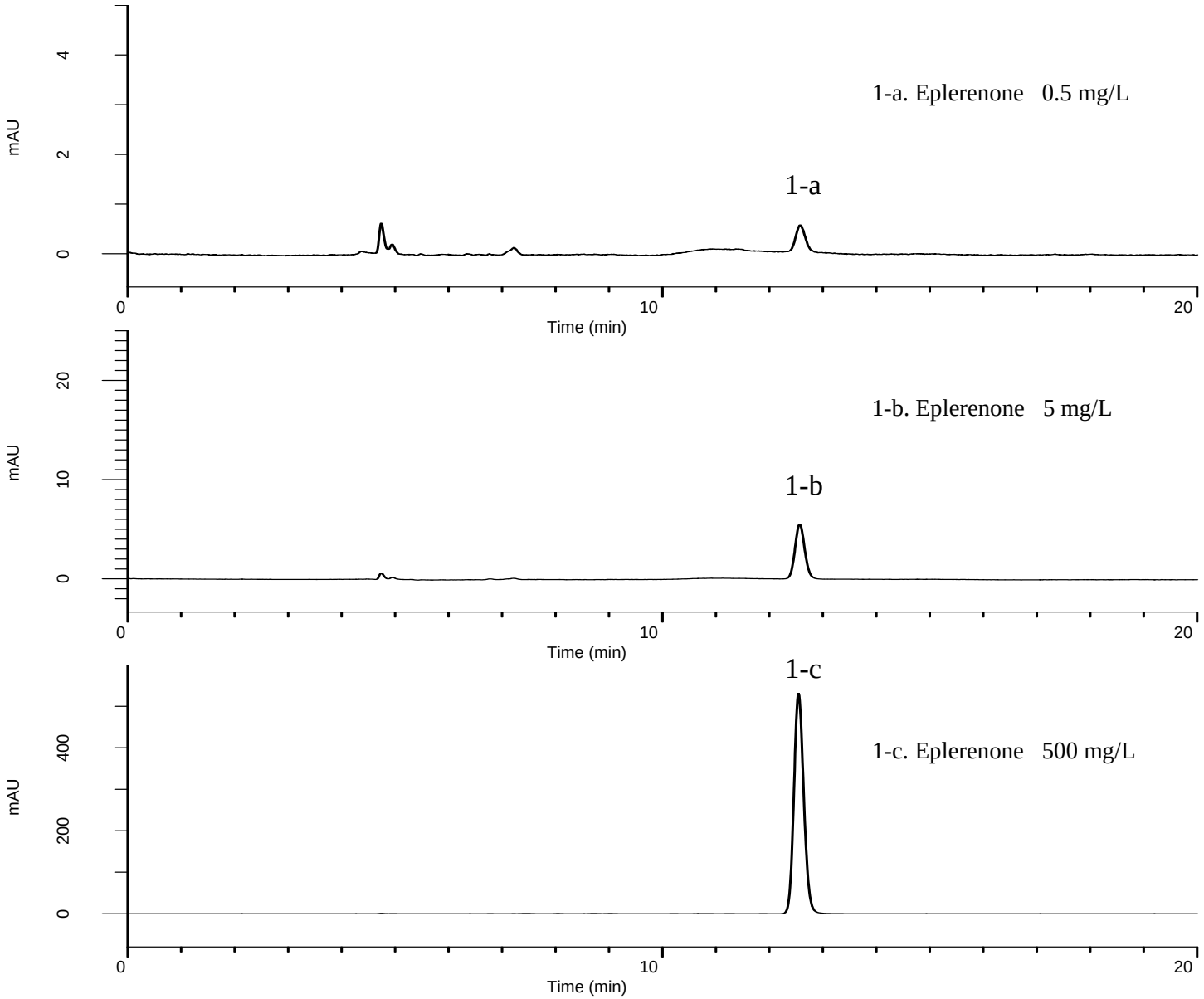
Analysis of Eplerenone

(Under the Condition of the draft for the Japanese Pharmacopoeia)

Data No. LB412-0894



Conditions

System : GL7700 HPLC system
Column : InertSustainSwift C18 (5 μm, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-88027
Eluent : A) CH_3OH
B) CH_3CN
C) 10 mM KH_2PO_4 in H_2O (pH 3.0, H_3PO_4)
A/B/C = 6/36/58, v/v/v
Flow Rate : 0.9 mL/min
Col. Temp. : 35 ℃
Detection : UV 210 nm (PD7752 PDA Detector)
Injection Vol. : 20 μL
Sample : Standard

Analyte:

1. Eplerenone

The peak area ratio of 1-a to 1-b : (7 ≦) 9.5 (≦ 13)

Theoretical plate number of 1-b : 22,866 (≧ 15,000)
Tailing factor of 1-b : 1.09 (≦ 1.5)
RSD of the
1-b area (%) (n = 6) : 0.28 (≦ 2.0)

GL Sciences