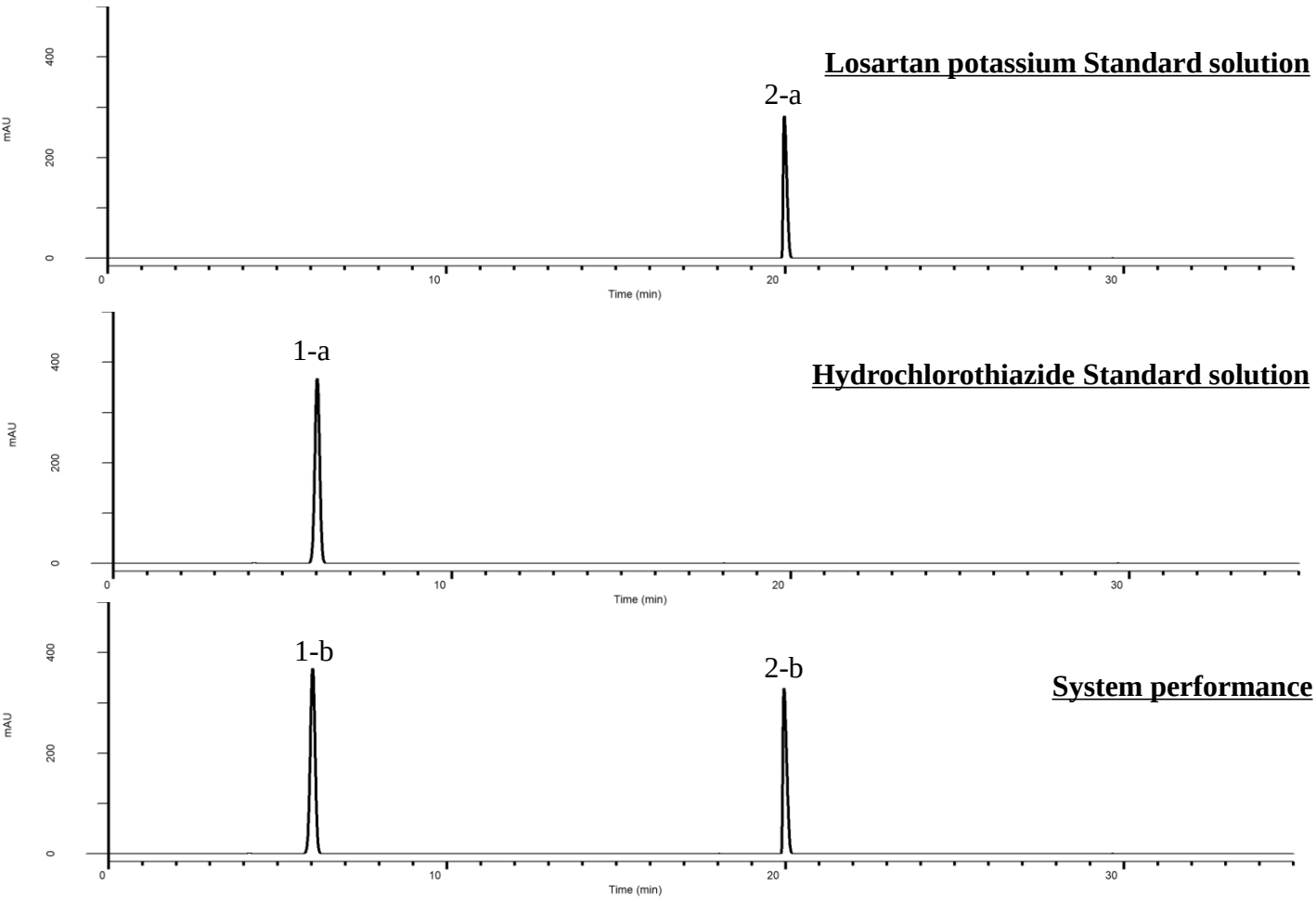
Analysis of Losartan potassium and Hydrochlorothiazide

(Under the Condition of the Japanese Pharmacopoeia, Losartan potassium and Hydrochlorothiazide Tablets)



Conditions

System : GL7700 HPLC system
Column : InertSustain C8 (5 μm, 150 x 3.9 mm I.D.)
Column Cat. No. : 5020-87028
Eluent : A) CH_3CN/Buffer* = 7/93, v/v (Premix)
B) CH_3CN

Time(min)	A(vol%)	B(vol%)
0	100	0
12	92	8
28	38	62
30	100	0
35	100	0

Flow rate : 1.5 mL/min
Col. Temp. : 35 ℃
Detection : UV 280 nm (UV7750 UV Detector)
Injection Vol. : 20 μL

* Buffer : 1.25 g/L of monobasic potassium phosphate and 1.5 g/L of dibasic sodium phosphate in water.

Analyte:

1. Hydrochlorothiazide	0.1 mg/L
2. Losartan potassium	0.4 mg/L

Theoretical plates (1-b) : 8,426 (≧ 4,000)
Tailing factor (2-b) : 1.90 (≦ 2.5)
RSD of the peak area of 1-a (%)(n=6) : 0.09 (≦ 1.0)
RSD of the peak area of 2-a (%)(n=6) : 0.02 (≦ 1.0)