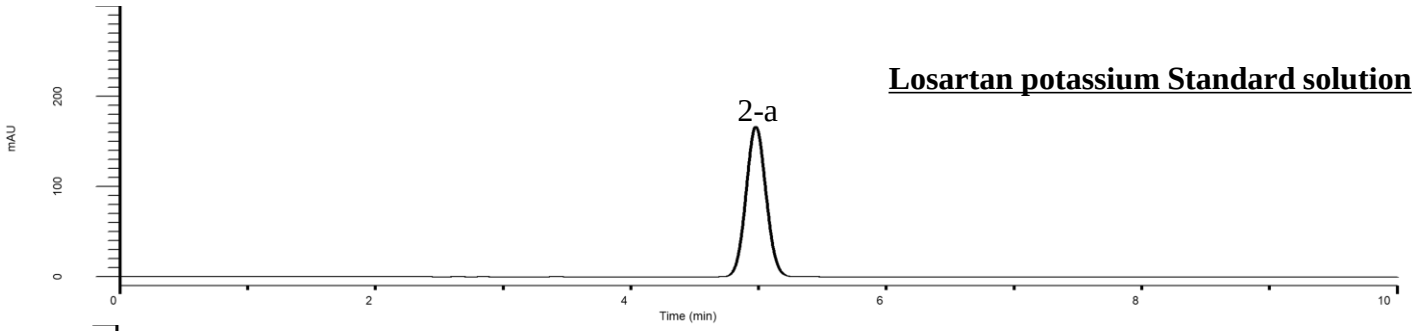
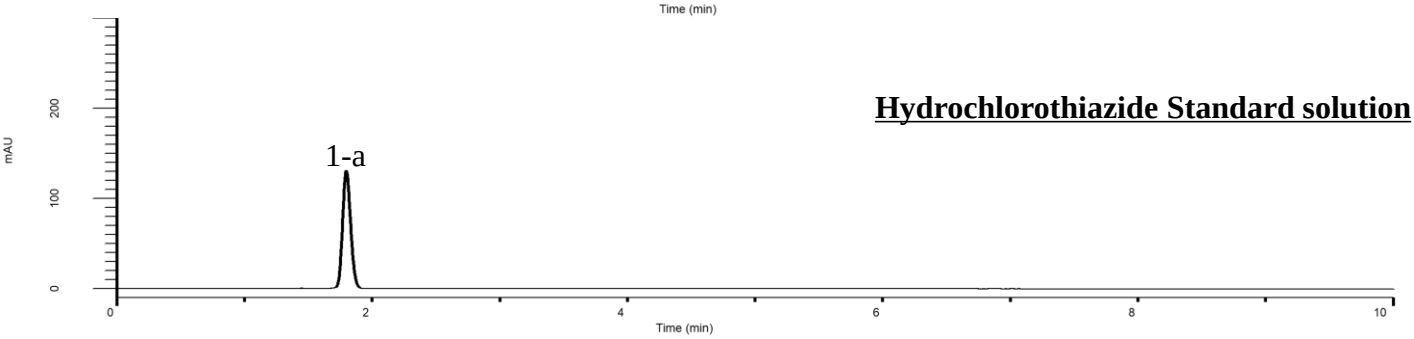
Analysis of Losartan potassium and Hydrochlorothiazide

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

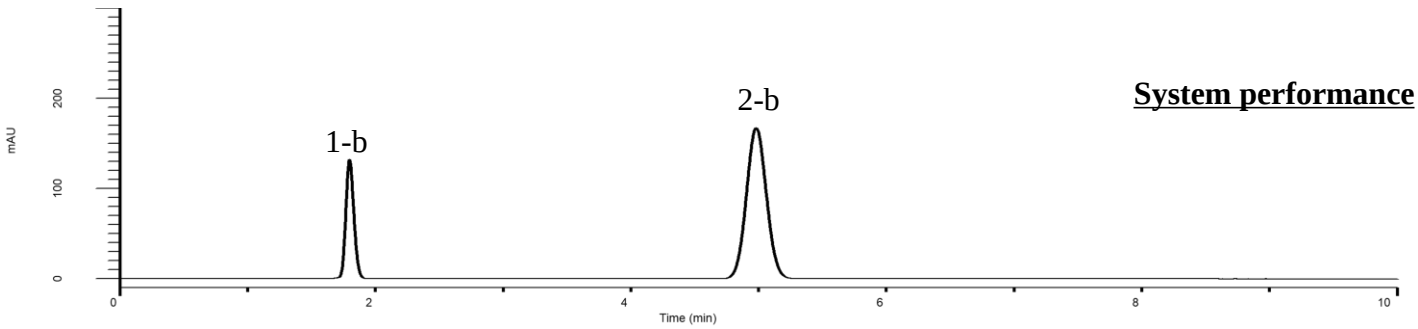
Losartan potassium Standard solution



Hydrochlorothiazide Standard solution



System performance



Conditions

System	:	GL7700 HPLC system
Column	:	Inertsil C8-3 (10 μm, 250 x 4.6 mm I.D.)
Column Cat. No.	:	5020-01642
Eluent	:	A) CH_3CN B) 10mM KH_2PO_4 (pH 2.5, H_3PO_4) A/B = 40/60, v/v
Flow rate	:	2.25 mL/min
Col. Temp.	:	35 ℃
Detection	:	UV 230 nm (UV7750 UV Detecor)
Injection Vol.	:	20 μL
Sample	:	Standard

Analyte:

1. Hydrochlorothiazide	14 mg/L
2. Losartan potassium	55 mg/L

Resolution (1-b, 2-b) : 15.7 (≧ 10)
RSD of the peak
area of 1-a (%)(n=6) : 0.07 (≦ 1.0)
RSD of the peak
area of 2-a (%)(n=6) : 0.04 (≦ 1.0)