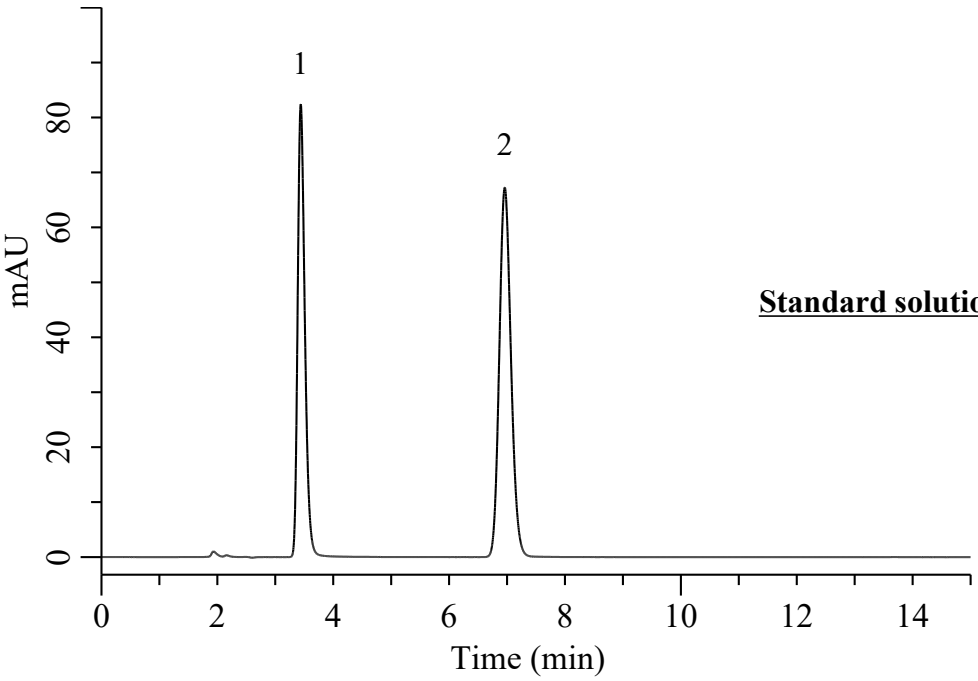
Analysis of Acyclovir

(Under the Condition of the Japanese Pharmacopoeia 18th, Acyclovir Injection)



Standard solution of Assay

Conditions

System	:	Chromaster PLUS HPLC system (HITACHI)
Column	:	InertSustain C18 (GL Sciences Inc.) (5 μm, 250 x 4.6 mm I.D.)
Column Cat. No.	:	5020-07346
Eluent	:	CH_3OH/Solution*=5/95 ,v/v
Flow Rate	:	0.78 mL/min
Col. Temp.	:	25 ℃
Detection	:	UV 254 nm
Injection Vol.	:	20 μL
Sample	:	Standard

Analyte:

1. Nicotinic acid	15 μg/mL
2. Acyclovir	10 μg/mL

Resolution : 11.9 (≧ 3)

RSD of the peak area ratio of 2 to 1 (%)(n=6) : 0.10 (≦ 1.0)

*: To 1.45 g of phosphoric acid and 25 mL of dilute acetic acid add water to make 900 mL. Adjust this solution to pH 2.5 with 1 mol/L sodium hydroxide, and add water to make 1000 mL.