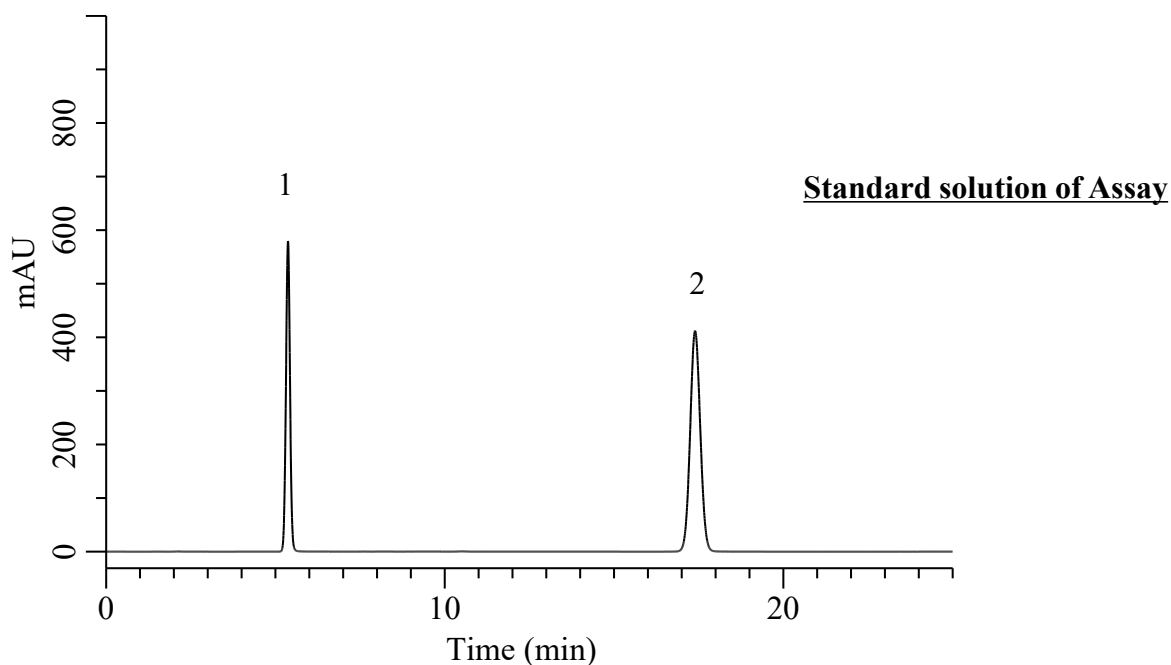


## Analysis of Acyclovir

(Under the Condition of the Japanese Pharmacopoeia 18<sup>th</sup>, Acyclovir for Syrup)



### Conditions

**System** : Primaide HPLC system (HITACHI)  
**Column** : InertSustain C18 (GL Sciences Inc.)  
 (5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07346  
**Eluent** : CH<sub>3</sub>CN/Solution\* = 5/95, v/v  
**Flow Rate** : 1.2 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 254 nm (1435DAD)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Acyclovir 100  $\mu$  g/mL  
 2. Parahydroxybenzoic acid 80  $\mu$  g/mL

Resolution : 31.1 ( $\geq$  20)

RSD of the peak area ratio of  
 1 to 2 (%) (n=6) : 0.04 ( $\leq$  1.0)

\*: Dissolve 7.8 g of sodium dihydrogen phosphate dihydrate and 0.85 g of sodium 1-octanesulfonate in 900 mL of water, adjust to pH 3.0 with phosphoric acid, add water to make 950 mL, and add 50 mL of acetonitrile.