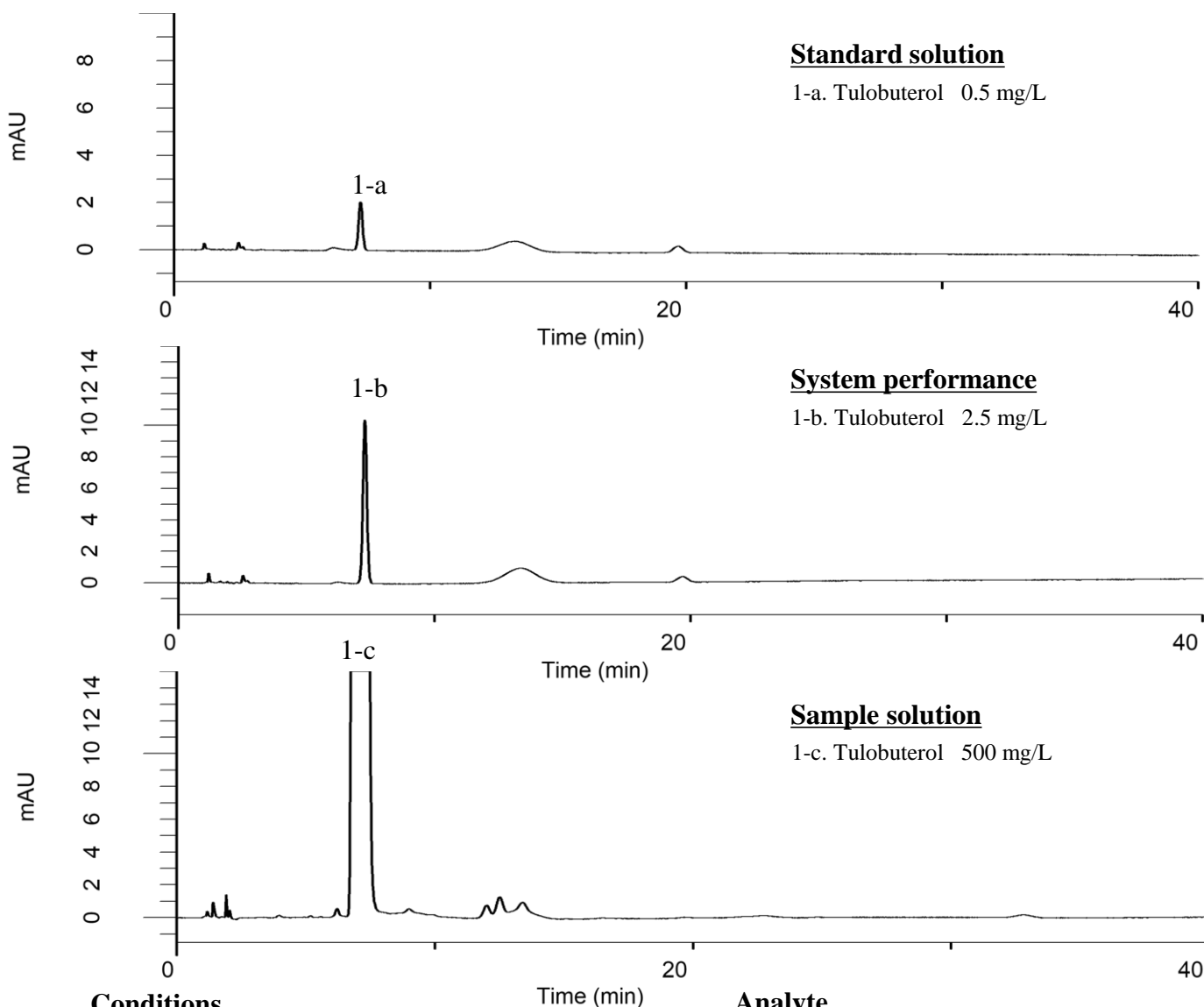


## Analysis of Tulobuterol

(Under the Condition of the Japanese Pharmacopoeia 17th edition)



### Conditions

**System** : GL7700 HPLC system  
**Column** : InertSustain C18  
 (5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07345  
**Eluent** : A) CH<sub>3</sub>CN  
 B) Buffer\*  
 A/B = 35/65, v/v  
**Flow Rate** : 0.8 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : UV 215 nm (PD7752 PDA Detector)  
**Injection Vol.** : 25  $\mu$  L  
**Sample** : Standard

### Analyte

1. Tulobuterol

Theoretical plate number : 10,026 ( $\geq$  5,000)  
 Tailing factor : 1.04 ( $\leq$  2.0)  
 RSD of the area (%) (n = 6) : 0.27 ( $\leq$  2.0)

\*Dissolve 3.0 g of Sodium 1-octanesulfonate in 900 mL of water,  
 Add 5.0 mL of diluted phosphoric acid (1  $\rightarrow$  150).