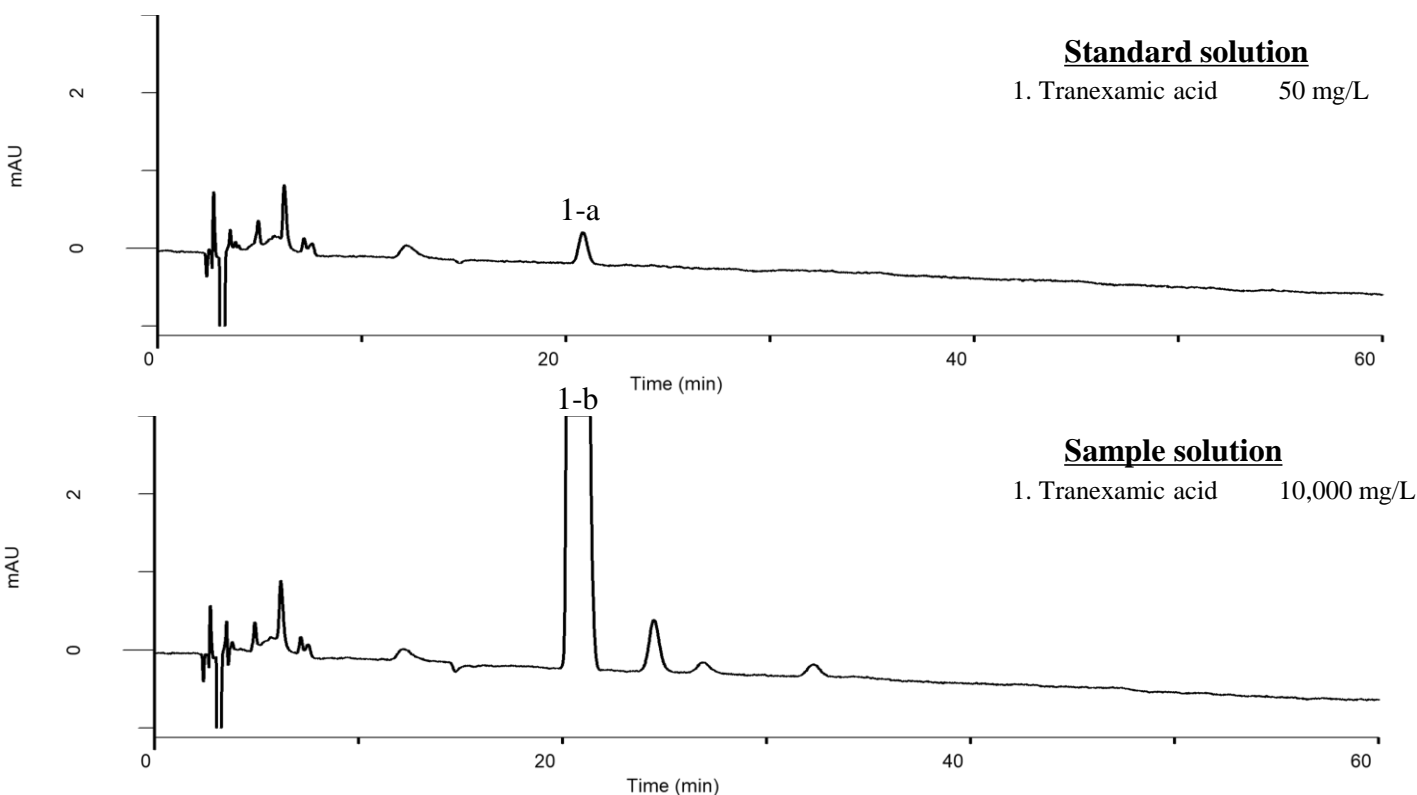


## Analysis of Tranexamic acid (Under the Condition of the Japanese Pharmacopoeia)



### Conditions

**System** : GL7700 HPLC system  
**Column** : InertSustain AQ-C18  
 (5  $\mu$  m, 250 x 6.0 mm I.D.)  
**Column Cat. No.** : 5020-89760  
**Eluent** : A) CH<sub>3</sub>OH  
 B) Buffer\*  
 A/B = 40/60, v/v  
**Flow Rate** : 1.4 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 220 nm (PD7752 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

\*Dissolve 11.0 g of anhydrous sodium dihydrogen phosphate in 500 mL of water, and add 5 mL of triethylamine and 1.4 g of sodium lauryl sulfate. Adjust pH 2.5 with phosphoric acid, add water to make 600 mL.

### Analyte:

1. Tranexamic acid

RSD of the  
peak area (%) (n=6) : 2.1 ( $\leq$  7)

### 【NOTE】

- 1) Fully equilibrate the column prior to the analysis. Fully equilibrate the column with eluent for at least 24 hrs at 1 mL/min.
- 2) Prepare the eluent at time of use, otherwise the retention time may shift.