

# HPLC Application

ID No.: 27878

## USP Tigecycline Assay System Suitability Solution on Luna 5u C18(2) 150x4.6mm using Agilent 1260 Quaternary

**Column:** Luna® 5 µm C18(2) 100 Å, LC Column 150 x 4.6 mm, Ea  
**Dimensions:** 150 x 4.6 mm ID  
**Order No:** 00F-4252-E0  
**Elution Type:** Isocratic  
**Eluent A:** Acetonitrile:Buffer (140:860) Buffer: 4.35g/L of dibasic Potassium Phosphate and 0.93 g/  
**Gradient**  

| Step No. | Time (min) | Pct A |
|----------|------------|-------|
| 1        | 45         | 100   |

  
**Profile:**  
**Flow Rate:** 1 mL/min  
**Col. Temp.:** 30 °C  
**Detection:** UV-Vis Abs.-Diode Array (PDA) @ 248.000000000 nm (nanometers) (ambient)



Products used in this application:



### ANALYTES:

- 1 Tigecycline Epimer  
Retention Time: 8.253 min
- 2 Tigecycline  
Retention Time: 12.766 min

