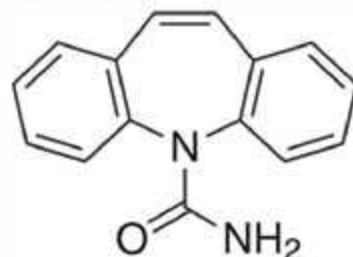


**SUPPORTED LIQUID-LIQUID EXTRACTION Plate**
**Compound: Carbamazepine**

**LIQUID-LIQUID EXTRACTION METHOD:**

(Supported liquid-liquid extraction plate)  
 (Catalog #OC21DA260-HPGB)

**Load:**

100  $\mu$ L spiked human plasma (250ng/mL)  
 with 100 $\mu$ L water and 20 $\mu$ L ammonium hydroxide.  
 Let stand for 5 minutes, then apply a short pulse of positive pressure.


**Elute:**

1.5 mL of ethyl acetate twice.  
 Let solvent stand for 5 minutes, then apply a gentle stream of  
 positive pressure till all solvent passes through.


**Evaporate and Reconstitute:**

200  $\mu$ L of 35% acetonitrile

**HPLC METHOD:**

**Column:** Orochem Reliasil C8  
 HPLC column 4.6x50 mm, 5 $\mu$ m.  
**Part number:** R3BI-102  
**Mobile phase:** Water/acetonitrile 65:35  
**Flow rate:** 0.5 mL/min  
**Injection volume:** 20 $\mu$ L  
**Retention time:** 3.87 min

**MS/MS CONDITIONS:**

**Mass spectrometer:** API3000  
**Ion source:** Turbo IonSpray  
**Polarity:** Positive  
**Scan mode:** MRM: primary,  
 Q1: 237.1, Q3: 194;  
 secondary,  
 Q1: 237.1, Q3: 220.0  
**IS:** 4000  
**Temp.** 550  
**DP:** 20  
**CAD:** 12  
**CE:** 25  
**CXP:** 15

**RESULTS**

Recovery(CV%): 83% (2.8%)

