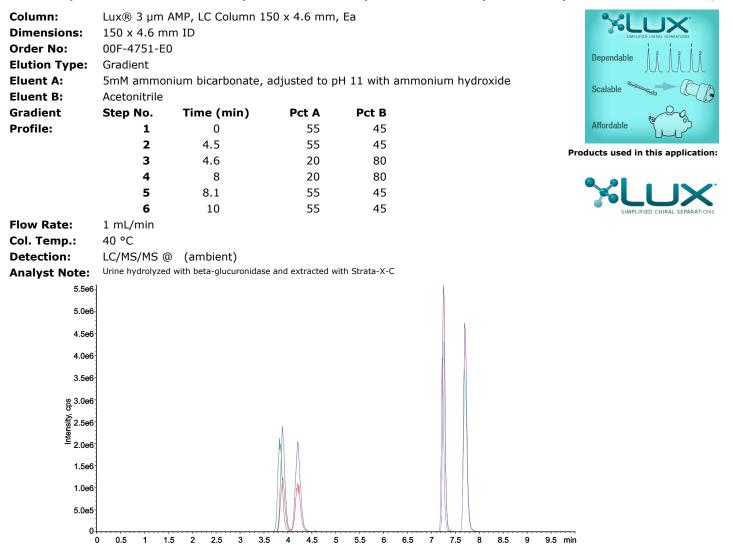
# **HPLC Application**

ID No.: 25782



#### Chiral Separation of Dextromethorphan/Levomethorphan and Dextrorphan/Levorphanol on Lux 3u AMP, 150x4.6



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# HPLC Application



# Chiral Separation of Dextromethorphan/Levomethorphan and Dextrorphan/Levorphanol on Lux 3u AMP, 150x4.6

### **ANALYTES:**

- 1 Dextrorphan-D3
- 2 Dextrorphan 1
- 3 Dextrorphan 2
- Levorphanol 1 4
- 5 Levorphanol 2
- 6 Dextromethorphan-D3
- 7 Dextromethorphan 1
- 8 Dextromethorphan 2
- 9 Levomethorphan 1
- 10 Levomethorphan 2

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for HPLC Application ID No.: 25782



#### Chiral Separation of Dextromethorphan/Levomethorphan and Dextrorphan/Levorphanol on Lux 3u AMP, 150x4.6

#### **PRODUCT DESCRIPTION:**

Strata<sup>™</sup>-X-C 33 µm Polymeric Strong Cation, 30 mg / well, 96-Well Plates , 2/Pk

Order No.: 8E-S029-TGB

### SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

**Note:** The solvent volumes shown below are for a bed mass.

The solvent volumes will need to be adjusted for a smaller or larger bed mass.

# Condition:

Load:		
Wash:		
Dry:		
Elute:		
Elule:		

#### Final Prep and Analysis:

Urine sample pretreatment: Combine 200 $\mu$ L urine sample, 200 $\mu$ L 100mM ammonium acetate buffer (pH 4.0), 20 $\mu$ L internal standard solution (250ng/mL), and 20 $\mu$ L of beta-glucuronidase Inject: 10  $\mu$ L on HPLC LC/MS/MS (a) (ambient)

Spiked Conc. %RSC **ANALYTES:** Log P pKa % Rec (ng/mL) (n=0) 1 Dextrorphan-D3 0 Dextrorphan 1 0 2 3 Dextrorphan 2 0 0 Levorphanol 1 4 5 Levorphanol 2 0 6 Dextromethorphan-D3 0 0 7 Dextromethorphan 1 0 Dextromethorphan 2 8 9 Levomethorphan 1 0 10 Levomethorphan 2 0

**Note:** This method is designed as a convenient starting point for further investigation and can be tailored to meet your extraction goals. Call your local Phenomenex Representative for assistance in method development and optimization techniques.

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