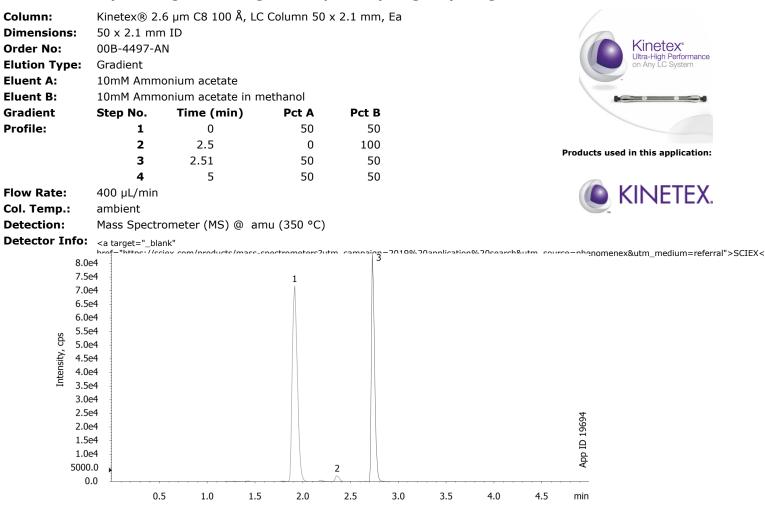
# **HPLC Application**

ID No.: 19694

### LC/MS/MS Analysis of Digoxin and Digitoxin in plasma (10 ng/mL) using Strata-X and Kinetex C8



# **ANALYTES:**

1 Digoxin

Retention Time: 1.9 min

- 2 Oleandrin Retention Time: 2.35 min
- 3 Digitoxin

Retention Time: 2.75 min

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for HPLC Application ID No.: 19694



## LC/MS/MS Analysis of Digoxin and Digitoxin in plasma (10 ng/mL) using Strata-X and Kinetex C8

### **PRODUCT DESCRIPTION:**

Strata<sup>™</sup>-X 33 µm Polymeric Reversed Phase, 30 mg / 3 mL, Tubes , 50/Pk

Order No.: 8B-S100-TBJ

# SOLID PHASE EXTRACTION (SPE) PRODCEDURE:

**Note:** The solvent volumes shown below are for a 30 mg bed mass.

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

#### **Condition:**

Load:

Wash:

#### Dry:

10min at full vacuum

Elute:

# Final Prep and Analysis:

Inject: 0 µL on HPLC Mass Spectrometer (MS) @ amu (350°C)

ANALYTES:	Spiked Conc.	Log P	рКа	% Rec	%RSC
	(ng/mL)				(n=0)
1 Digoxin	10			87	
2 Oleandrin	10				
3 Digitoxin	10			108	

**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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