

## Q1 Scan showing sample cleanliness of Oral fluid SPE from ntercept buffer using Starta-X-C cartridge

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 50 x 3 mm, Ea

**Dimensions:** 50 x 3 mm ID

**Order No:** 00B-4462-Y0

**Elution Type:** Gradient

**Eluent A:** 0.1% formic acid in water

**Eluent B:** 0.1% formic acid in MeOH

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	90	10
	2	4	5	95
	3	5.5	5	95
	4	5.51	90	10
	5	7	90	10

**Flow Rate:** 500 µL/min

**Col. Temp.:** ambient

**Detection:** Tandem Mass Spec (MS-MS) @ (ambient)

**Detector Info:** <a target="\_blank"

href="https://sciex.com/products/mass-spectrometers?utm\_campaign=2019%20application%20search&utm\_source=phenomenex&utm\_medium=referral">SCIEX<

**Analyst Note:** SPE Product: Strata-X-CW, 30 mg/3 mL cartridge

Part# 8E-S035-TBJ

Sample pre-treatment

Transfer 1 mL oral fluid collected on an applicator tip in its preservative buffer (Intercept). Leave it for 2 hours followed by centrifugation for 15 mins at 600g. Remove 0.5 mL of supernatant to combine with 1 mL 1% formic acid, mix/vortex 5-10 secs to load on Strata X-CW 30mg/3 mL Condition: 1 mL Methanol

Equilibrate: 1 mL DI Water

Load: Combine 0.5mL of pretreated sample with 1 mL 1% formic acid, mix/vortex 5-10 sec and load

Wash 1: 1 mL 1% Formic acid/DI Water

Wash 2: 1 mL DI Water

Dry Down: 5-6 minutes at maximum vacuum (20" Hg or higher)

Elute: 2 x 500 µL methylene chloride/Isopropanol/30% Ammonium Hydroxide (80:18:2)

Dry Down: Evaporate to dryness under gentle nitrogen and 45-50°C.

Reconstitute: With 167 µL initial mobile phase

SPE Product: CEREX OFX 3mg

Part# 633-003I NBE, 96 well NBE plate 3mg/1Ea

Sample pre-treatment

Transfer 1 mL oral fluid collected on an applicator tip in its preservative buffer (Intercept). Leave it for 2 hours followed by centrifugation for 15 mins at 600g. Remove 0.5 mL of supernatant to combine with 0.3 mL 0.1M HCl, mix/vortex 5-10 secs to load on SPEware cartridge Condition: 500 µL methanol

Equilibrate: 500 µL water

Load: Sample from pre-treatment step

Wash1: 700 µL 0.1M HCl

Wash2: 2x0.8 mL D.I. water

Dry: 10 mins under 45050 psi

Elution: 300 µL of Dichloromethane:Isopropanol: 30%ammonium hydroxide (80/18/2)

Drydown: Evaporate to dryness under gentle nitrogen and 45-50°C.

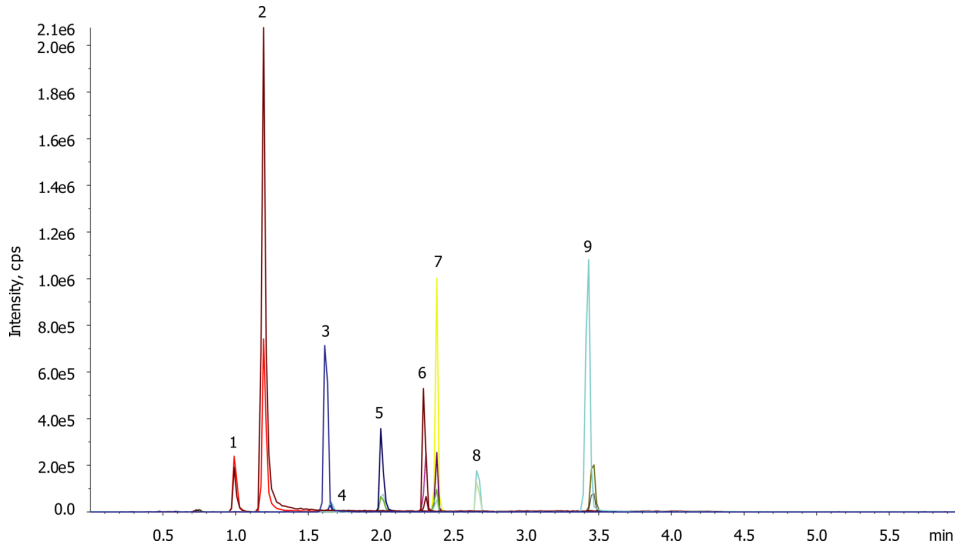
Reconstitute:167 µL initial mobile phase



Products used in this application:



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### ANALYTES:

- 1 Intercept-i2 Oral Fluid devise

