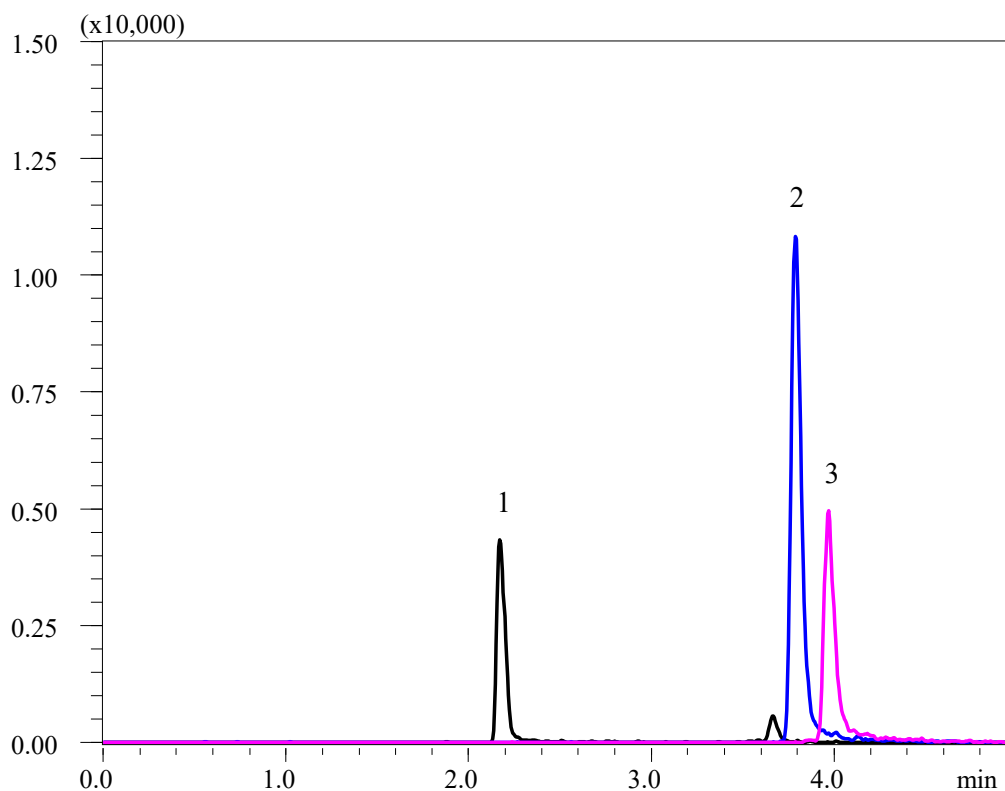


# InertSearch for LC

Inertsil Applications

## Analysis of Coenzyme A (CoA)

Data No. LB814- 0972



### Conditions

**System** : Nexera HPLC system (Shimadzu)  
LCMS-8030 Plus (Shimadzu)

**Column** : IM Column InertSustain AQ-C18 (GL Sciences Inc.)  
(3  $\mu$  m, 150 x 2.1 mm I.D.)

**Column Cat. No.** : 5020-32011

**Eluent** : A) 5 mM HCOONH<sub>4</sub> in CH<sub>3</sub>OH  
B) 5 mM HCOONH<sub>4</sub> in H<sub>2</sub>O

**Analyte:** Q1/Q3

1. Malonyl CoA	854.10/347.10	0.5 mg/L
2. CoA	769.00/260.90	0.1 mg/L
3. Acetyl CoA	811.00/304.10	0.1 mg/L

Time (min)	A (vol %)	B (vol %)
0.0	3	97
5.0	100	0
10.0	100	0

**Flow Rate** : 0.2 mL/min

**Col. Temp.** : 40 °C

**Detection** : MS/MS (ESI, Positive, SRM)

Nebulizing gas flow	Heating gas flow	Interface temperature	DL temperature	Heat block temperature	Drying gas flow
2 L/min	15 L/min	300 °C	250 °C	400 °C	15 L/min

**Injection Vol.** : 3  $\mu$  L

**Sample** : Standard