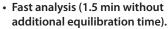
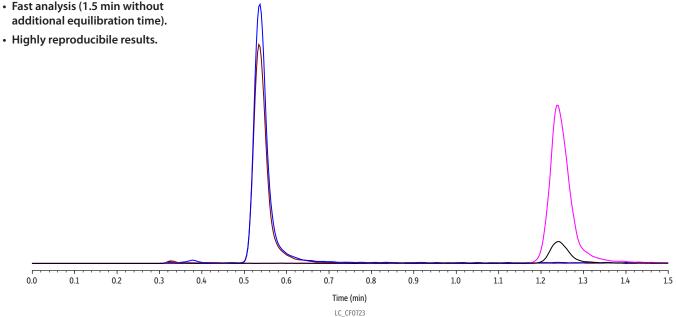
Creatine and Creatinine in Human Urine on Raptor HILIC-Si by LC-MS/MS

· Simple method (isocratic).







Peaks	t _R (min)	Precursor Ion	Product Ion	Product Ion
1. Creatinine	0.537	114.0	44.3	86.0
2. Creatine	1.240	132.1	43.3	90.2

Column Raptor HILIC-Si (cat.# 9310A52) Dimensions:

50 mm x 2.1 mm ID 2.7 μm 90 Å Particle Size:

Pore Size:

Guard Column: UltraShield UHPLC precolumn filter 0.2 µm (cat.# 25810) 40°C

Temp.: Standard/Sample

Diluent: 20:80 Water:acetonitrile Conc.: Endogenous levels 0.2 µL

Inj. Vol.: Mobile Phase

5 mM Ammonium formate in 20:80 water:acetonitrile

Time (min) Flow (mL/min) 0.00 100 1.5 Stop

Detector MS/MS Ion Mode: ESI+ MRM Mode: UHPLC Instrument **Sample Preparation**

Endogenous levels of creatinine and creatine in human urine were determined using a simple dilute-and-shoot method. A 50 μ L aliquot of human urine was mixed with 950 μ L acetonitrile. After vortexing and centrifuging at 4300 rpm for 10 min, 10 μ L of the supernatant was added to the 1490 μ L of 80% acetonitrile in water. Centrifugation was performed again before injection.

