

Cystatin C in Human Urine using Ion Pairing HPLC

Application #AN4470

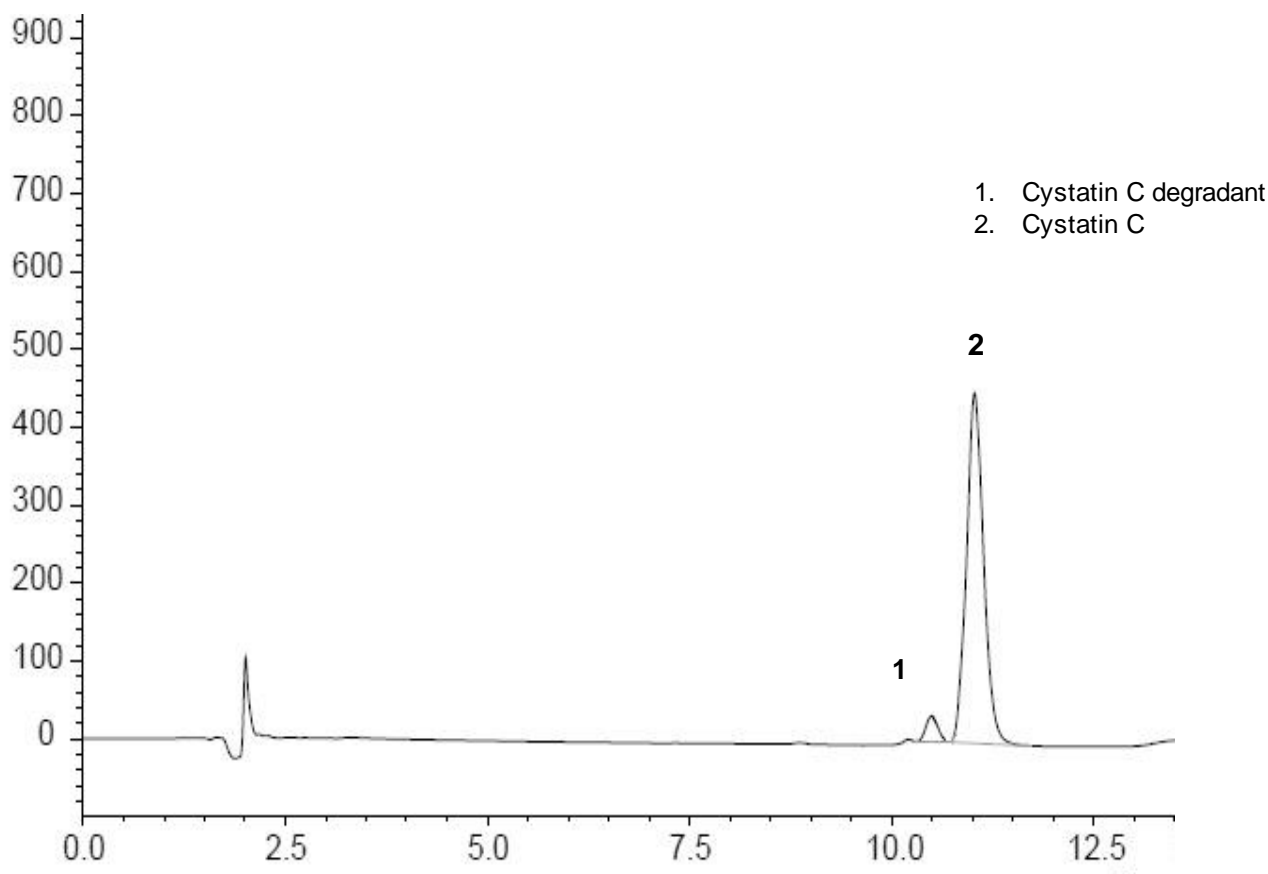
Conditions

Column: ACE 5 C8
Dimensions: 150 x 4.6 mm
Part Number: ACE-122-1546
Mobile Phase: A: 0.01 M 1-hexane sulfonic acid sodium salt + 0.05% TFA, pH 2.4
B: MeCN/MeOH/Mobile phase A (300:300:225 v/v/v)

Time (mins)	%B
0	65
3	80
10	100

Flow Rate: 1 mL/min
Temperature: 25 °C
Detection: UV, 224 nm

Cystatin C is a protease inhibitor, used as a biomarker for kidney function. It is a protein with 120 amino acid residues and MW ~13.3 kDa



Fayyad MK, Misha AK, Yousef Al-Musaimi OI, (2010) Effect of temperature, wavelength, pH, ion pair reagents and organic modifiers' concentration on the elution of cystatin C. Stability of mobile phase. J. Anal. Bioanal.

Techniques 1:103. doi:10.4172/2155-9872.1000103

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