Cystatin C in Human Urine using Ion Pairing HPLC

ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #AN4470

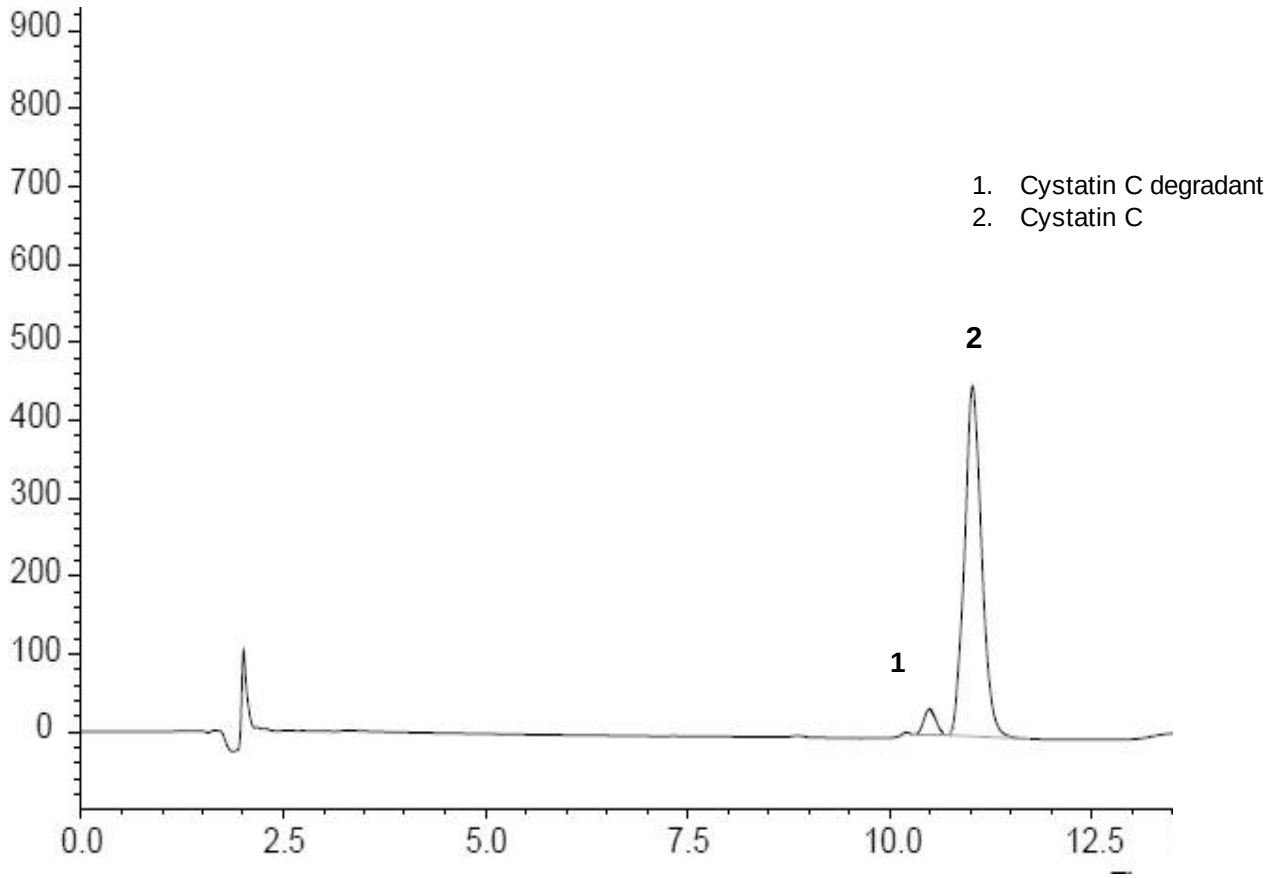
Conditions

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



1. Cystatin C degradant
2. Cystatin C

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

© 2015 ACT Ltd. All rights reserved. All products are available worldwide.