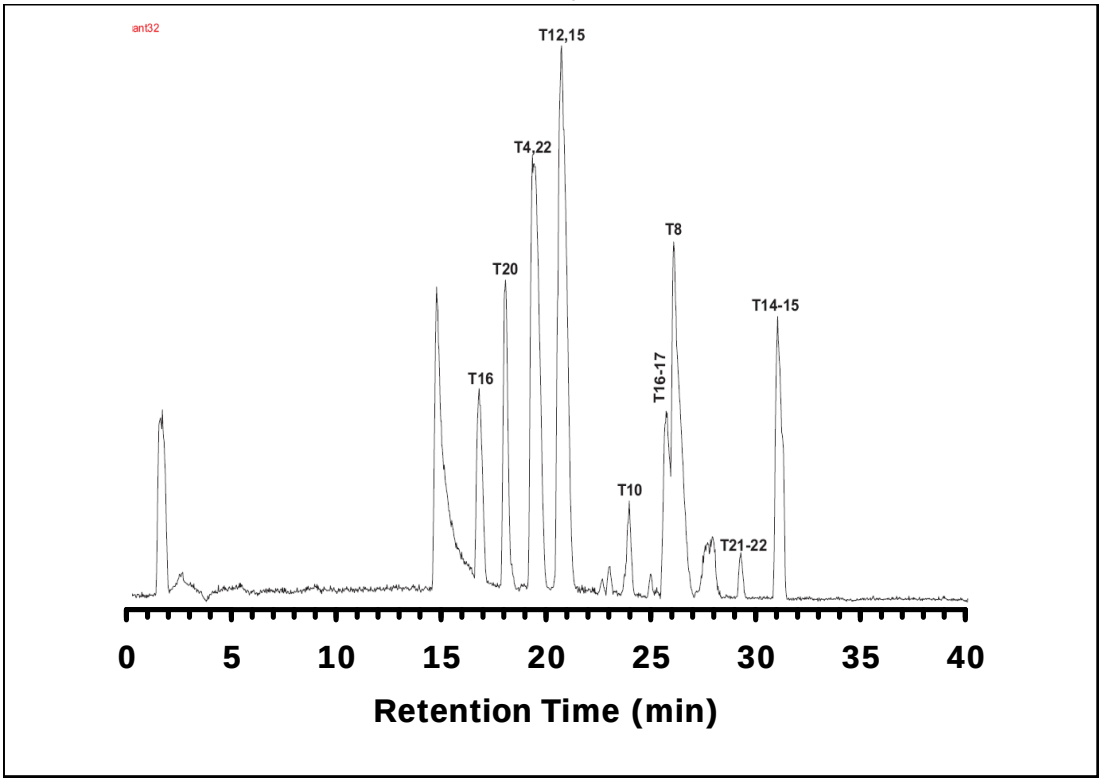
ZIC®-HILIC Separation of tryptic peptides from Cytochrome C

Chromatographic Conditions

Column:	ZIC®-HILIC, PEEK 150 x 0.3 mm, 5 µm, 200 Å (P/N 1.50481.0001)
Injection:	1 µL of 10 pmole digested sample injected in mobile phase
Detection:	MicroMass Ultima-QTOF, Needle voltage: 3.1 kV, Cone voltage: 45V collision energy: 10V; Scan range: m/z 400-1800; 1.5 s cycle time
Flow Rate:	5 µL/min
Mobile Phase (v/v):	A: 100% Milli-Q water with a 0.25% formic acid (FA) B: 100% Acetonitrile with 0.25% formic acid (FA)
Gradient:	Initial composition: 90% B and 10% A. Linear gradient from 0-40 min with 1.5 % increase of A/min.



Chromatographic Data

No.	Fragment	Sequence	Time (min)
1	T16	(K)MIFAGIK(K)	17.2
2	T20	(R)EDLIAYLK(K)	18.5
3	T4	(K)IFVQK(Z)	19.8
4	T15	(K)YIPGTK(M) I	21.0
5	T10	(K)TGQAPGFTYTDANK(N)	
6	T8	(K)TGPNLHGLFGR(K)	
7	T21-22	(K)KATNE(-)	
8	T14-15	(K) KYIPGTK(M)	

Source: Swissprot P01012; Mods: Cys-CAM; printed: Thu Jun 09, 2005

Average Mass = 11815.6814, Monoisotopic Mass = 11808.1789; N-Terminus = H, C-Terminus = OH

Modified amino acids: CAM(Z) = CAM Cysteine; Digest: Trypsin:/K-\P /R-\P

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