

Intrada WP-RP

High Resolution Protein Separation

Improved Protein Recovery for Polymer Separation

Reverse-column tailored with a 30nm pore size

Optimal for the separation of proteins and other large molecules up to 300,000 Da

Low Carryover

Unique packing reduces carryover

Superior Resolution Column with 3 μ m Particles

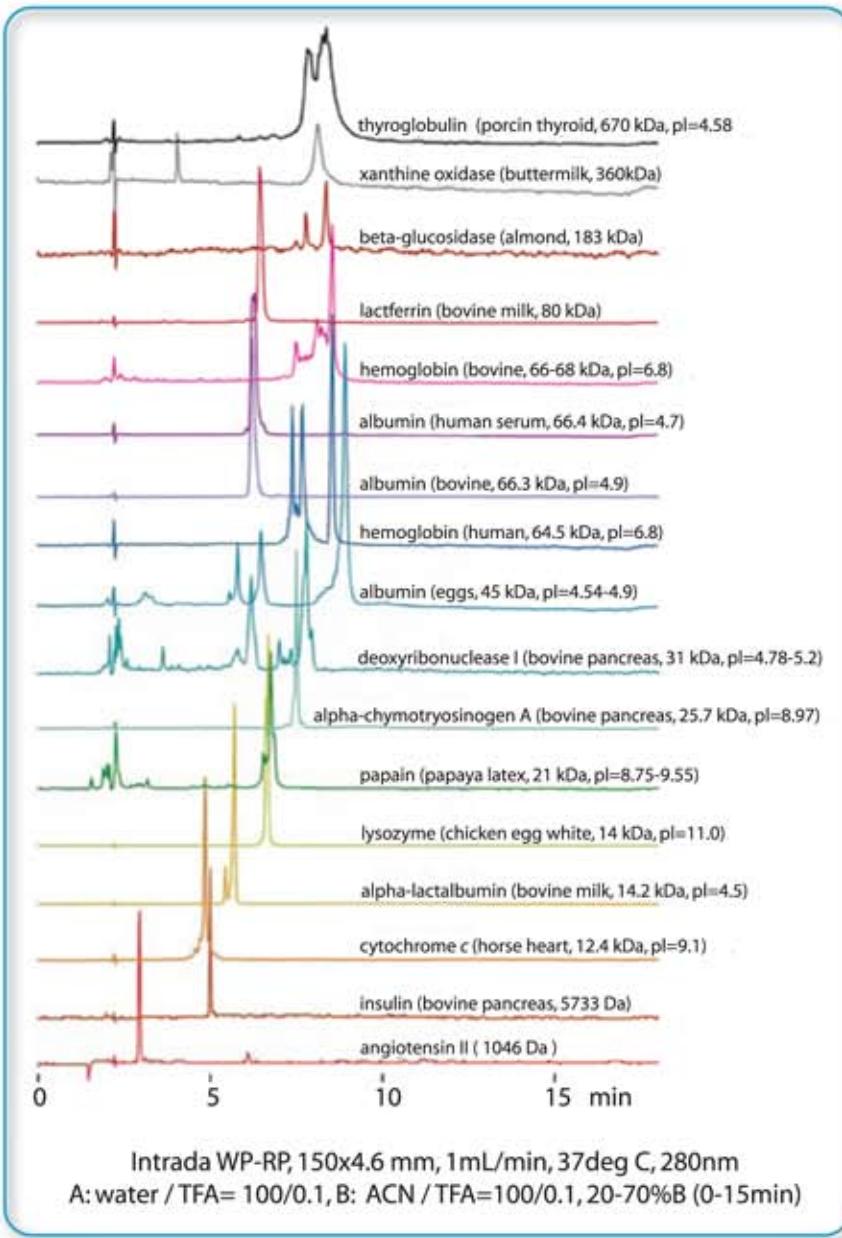
High Resolution 3 μ m Silica is used

Radically improved column efficiency compared with conventional 5 μ m columns

Optimal Surface Polarity for Faster Polymer Elution

Uses a newly developed reverse phase ligand

Highly hydrophobic polymer elution made possible by optimal surface polarity

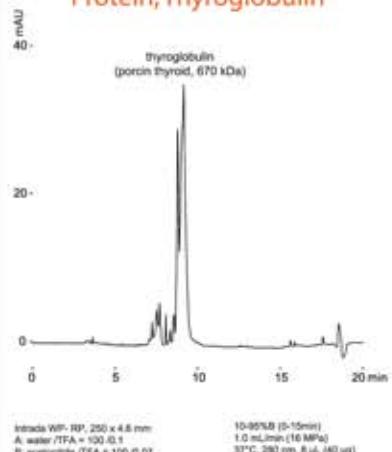


The chromatograms above show the relationship between molecular weight and retention. For the reverse phase separation of large proteins (greater than 10,000 Da), a wide pore (300A) column should be used. Intrada WP-RP (300A) is an excellent column of choice for the reverse phase separation of large, highly hydrophobic polymers and proteins (up to 300,000 Da).

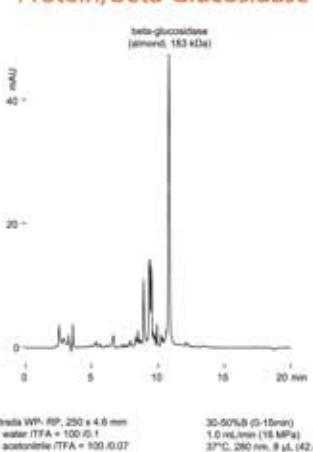
Key specifications: 3 μ m particle size, 30nm pore size, ligand for reverse phase, polymeric endcapping

Intrada WP-RP: Exceptional Protein Separation

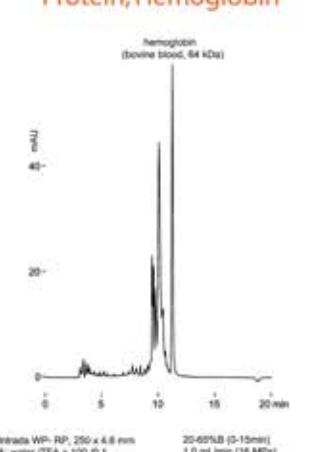
Protein, Thyroglobulin



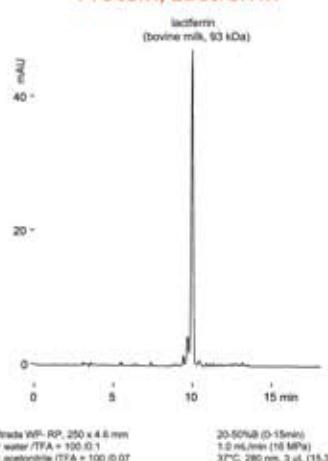
Protein, beta-Glucosidase



Protein, Hemoglobin



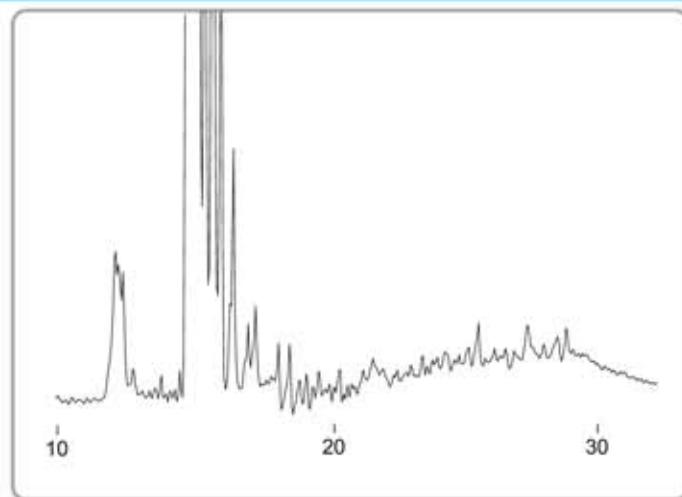
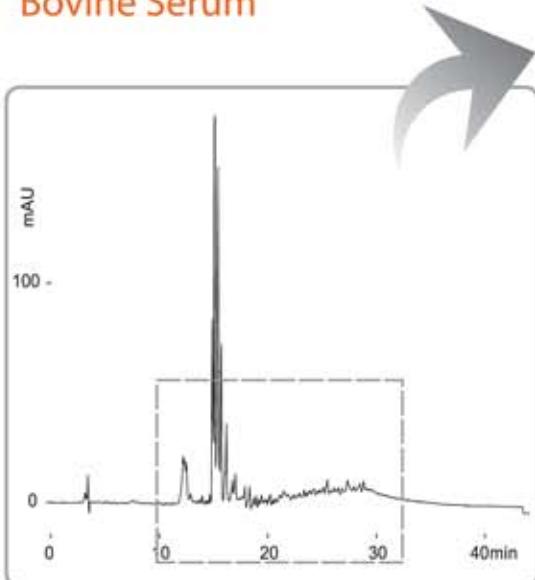
Protein, Lactferrin



These chromatograms demonstrate the ability of Intrada WP-RP in protein purification. For the reversed phase separation and purification of proteins, TFA gradients are often needed.

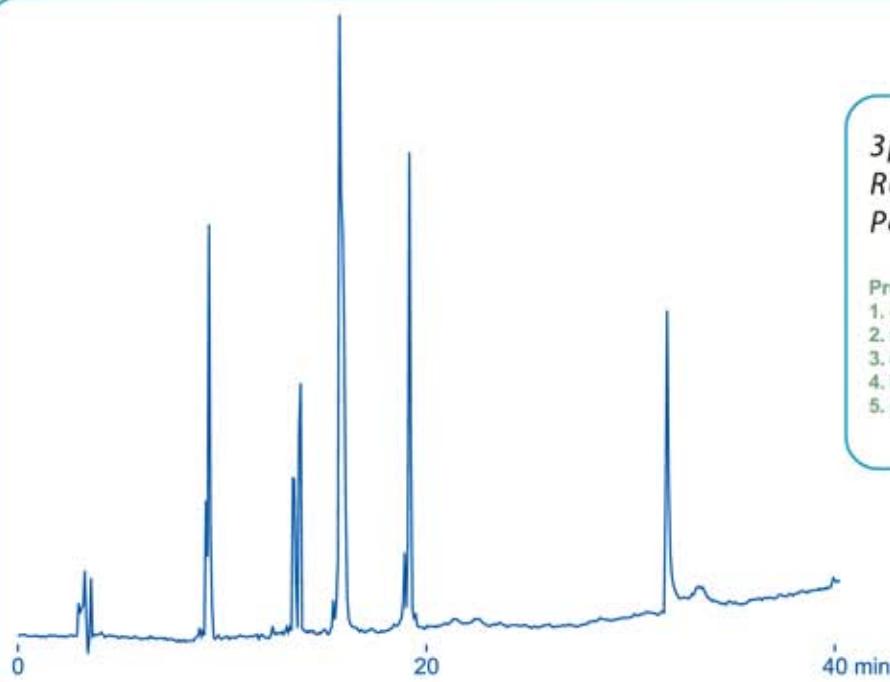
Intrada WP-RP excels at protein separation due to ultra high efficiency, as well as its polymeric endcapping.

Bovine Serum



25-50% B (0-40min)
1.0 mL/min (16 MPa)
37°C, 220 nm, 0.4 μL

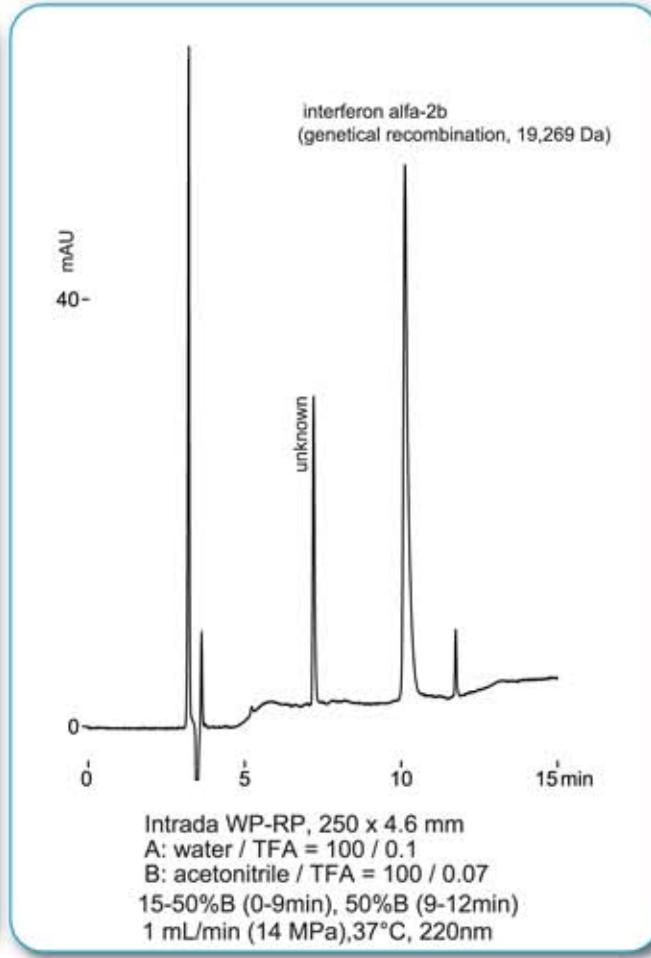
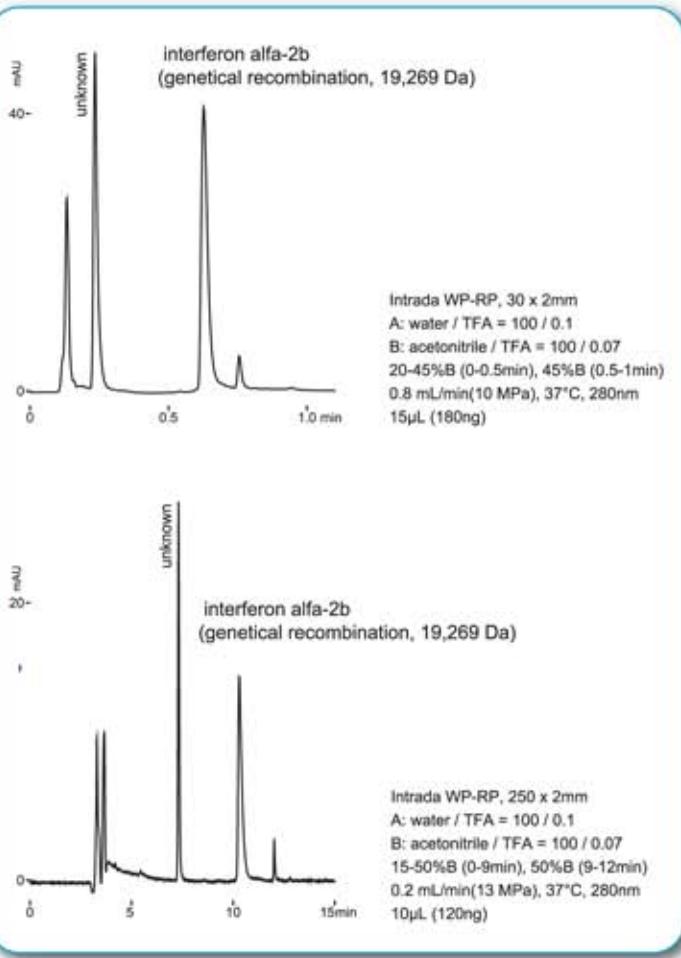
Excellent Peak Shape



*3µm, 30mm, Pure Silica
Reversed Phase
Polymeric Endcapping*

Proteins	M.W. (kDa)
1. cytochrome c (horse heart)	12.4
2. myokinase (yeast)	32
3. enolase (yeast)	67
4. lactate dehydrogenase (pig heart)	142
5. glutamate dehydrogenase (yeast)	290

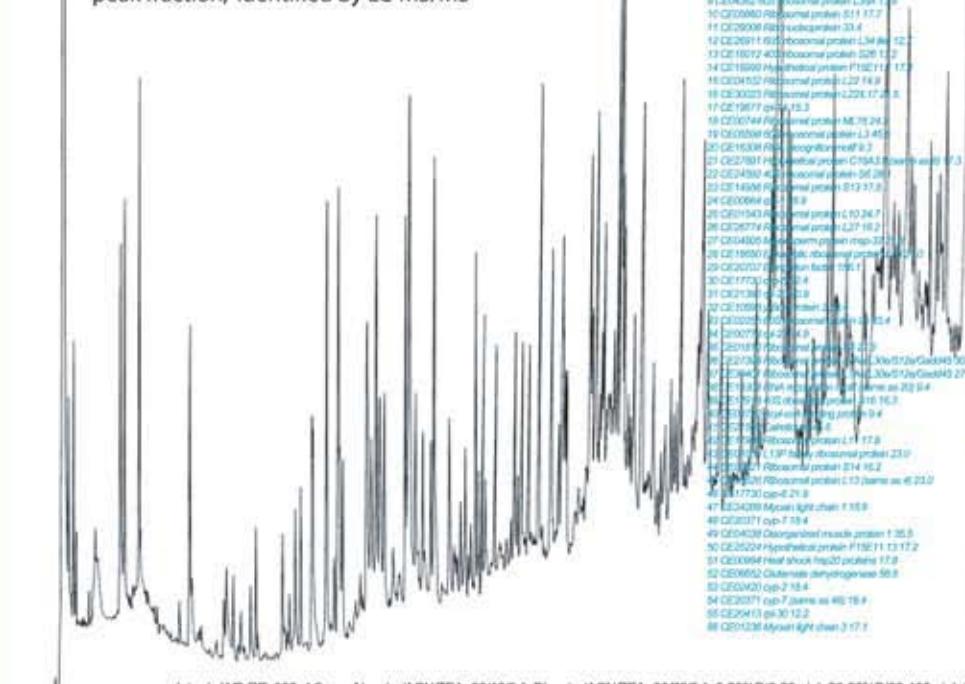
Effective Interferon Retention



High Resolution Separation of 111 Proteins (9-225 kDa)

An improved method of proteomics study in *C. elegans*

DAABD-Cl fluorescent-labeled proteins from *C. elegans* separated by Intrada WP-RP, 500 x 4.6mm Trypsin digestion of each peak fraction, identified by LC-MS/MS



Peak no.	WtMpp ID	Protein	MW (kDa)
1	CE05947	Actin filament protein	152.158
2	CE16750	ATPase inhibitor	122.0
3	CE04050	Actin filament protein	128.142
4	CE05948	Actin filament protein	127.133
5	CE25948	Actin filament protein	117.015
6	CE07091	Actin filament protein	115.8
7	CE08213	Actin filament protein	119.153
8	CE27691	Actin filament protein	114.8
9	CE05942	Actin filament protein	116.158
10	CE05940	Actin filament protein	111.17.7
11	CE25908	Actin filament protein	110.152
12	CE25911	Actin filament protein	114.9
13	CE16012	Actin filament protein	129.12.2
14	CE16005	Hypothetical protein	118.111
15	CE04152	Actin filament protein	127.14.8
16	CE05943	Actin filament protein	127.17.8
17	CE15677	Actin filament protein	115.3
18	CE05944	Actin filament protein	116.24.2
19	CE05946	Actin filament protein	113.45.8
20	CE16538	Actin filament protein	97.3
21	CE05945	Actin filament protein	110.15.7
22	CE05946	Actin filament protein	116.28.3
23	CE16013	Actin filament protein	113.37.0
24	CE05947	Actin filament protein	113.8
25	CE11543	Actin filament protein	112.24.7
26	CE16017	Actin filament protein	127.16.2
27	CE05905	Actin filament protein	110.21.1
28	CE16050	Actin filament protein	114.14.0
29	CE05932	Actin filament protein	110.11
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31	CE21386	Actin filament protein	112.8
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33	CE05933	Actin filament protein	113.14
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