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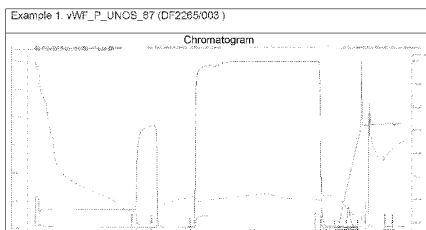
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(54) Title: SEPARATION OF VWF AND VWF PROPEPTIDE BY CHROMATOGRAPHIC METHODS

FIG. 1



Chromatography scheme								
	STEP	BUFFER	Inlet	Amount (CV)	Flow rate (CV/min)	Flow direction	Outlet	Fraction
A.	Pre-equil (TGA)	TGA	A11	25CV	100	Down	F1	WASTE
B.	Resin-Activation	SCB	B1	5CV	100	Down	F1	WASTE
1.	Equilibration	SCA	A13	10CV	100	Down	F1	WASTE
2.	Sample-Load	LOAD	A2	100CV	100	Down	F5	WASTE
3.	Re-equilibration	SCA	A13	5CV	100	Down	F4	WASTE
4.	ELUTION	Gradient: SCA to 100% SCB	A13 to B1 (100%)	6CV	65	Down	F2	F2 Fractions
5.	Strip	TWA	A15	2CV	65	Down	F5	NE
6.	Regeneration 1M NaOH	1M NaOH	A16	5CV	65	Upflow	F1	WASTE
7.	Regeneration 1M HAc	1M HAc	A17	2CV	65	Upflow	F1	WASTE
8.	Regeneration 0.1M NaOH	0.1M NaOH	A18	3CV	65	Upflow	F1	WASTE

SCA : Sodium citrate equilibration buffer: 10mM NaCl, 30mM NaCitrate, pH: 7.8 ±0.2

SCB : Sodium citrate elution buffer: 500mM NaCl, 30mM NaCitrate, pH: 7.8 ±0.2

SCD : Sodium citrate dilution buffer: 50mM NaCitrate, pH: 7.6 ±0.2

TGA Equipment buffer (TGA 1.3 diluted with purified water): 10mM Tris, 100mM NaAcetate, 85-mM NaCl

(57) Abstract: The present invention relates to a method for separating a mature von Willebrand Factor (mat-VWF) from von Willebrand Factor pro-peptide (VWF-PP) by incubating a composition comprising inducing dissociation of mat-VWF and VWF-PP by disruption of the non-covalently associated mat-VWF and VWF-PP, wherein said dissociation is induced by: (i) addition of at least one chelating agent, or (ii) increasing the pH to a pH of at least 7, and then collecting said mat-VWF to obtain a high purity, propeptide depleted mature VWF (mat-VWF).

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