


Coagulation Issues



	FINAL REPORT		3930 East Watkins Street, Suite 300 Phoenix, AZ 85034 (800) 999-2568 / Fax (602) 997-1408 www.hemex.com Medical Director: Dorothy M. Adcock, M.D.
	Patient: [REDACTED] Patient ID: [REDACTED] Gender / Age / DOB: F / / Oct. 28, 1949 Referring Physician: Accession No.: 9901090016	Daved Rosensweet MD # 439 2316 Pine Ridge Rd Naples, FL 34109 Phone: 239-649-4950 National Account No.: 130653	
Date/Time Reported: Jan. 16, 2009 8:23PM CT Specimen:	Date/Time Collected: Jan. 08, 2009 9:30 AM Date Received: Jan. 09, 2009		

Test	Result	Unit	Flag	Reference Range
Hereditary Thrombosis Risk Panel				
Factor II Activity	140	%	H	18 - 60y: 60 - 120
Antithrombin Activity	128	%	H	18 - 60y: 75 - 125
Homocysteine	7.5	umol/L		18 - 60y: 5.0 - 15.0
<p>In a study in which patients with angiographically established coronary artery disease and homocysteine levels below 9 umol/L were used as the reference group, the mortality ratios were 1.9 for homocysteine levels of 9.0 to 14.9 umol/L, 2.8 with levels of 15.0 to 19.9 umol/L and 4.5 for those with levels of 20.0 umol/L or higher (Nygard O, et al. NEJM 1997;337:230-36).</p> <p>PLEASE NOTE: New reference range effective January 11, 2008.</p>				
Activated Protein C Resistance (with Factor V deficient) (1)	3.3	ratio		18 - 60y: 2.2 - 4.0
Protein C Activity (chromogenic) (1)	131	%		18 - 60y: 55 - 140
Protein S Activity (clottable) (1)	78	%		18 - 60y: 63 - 140
<p>The International Society on Thrombosis and Haemostasis (ISTH) recommends the Free Protein S antigen assay rather than the protein S activity assay to screen for Protein S deficiency.</p>				
Plasminogen Activator Inhibitor-1 (PAI-1) Activity (1)	<6.0	IU/mL		18 - 60y: <31.1
Lipoprotein (a) (1)	66	mg/dL	H	18 - 60y: <31
<p>The mean and median Lp(a) concentration of the African-American population is approximately twice that of the Caucasian population, although studies have shown that elevated Lp(a) concentration is not an independent risk factor for developing atherosclerotic disease in the African-American population.</p>				

ISAC Panel Coag Only				
Fibrinogen Activity	416	mg/dL	H	18 - 60y: 180 - 310
Fragment 1+2	231	pmol/L		18 - 60y: 80 - 315
T/AT Complexes	2.9	ug/L		18 - 60y: 1.0 - 4.1
ISAC Panel Flow Only				
CD62P***	5	% in gate		18 - 60y: 1 - 27
CD62P + ADP***	82	%		18 - 60y: 40 - 100
Platelet Activation Index		Normal		Normal

(1) Testing performed at: Esoterix, Inc., Medical Director, Dorothy M. Adcock, M.D., 8490 Upland Dr, Ste 100, Englewood, CO 80112

Pt has a familial hypercholesterolemia into the 300's+

Father died of CAD

ISAC Panel Coag Only			
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T/AT Complexes	2.9	ug/L	
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CD62P***	5	% in gate	
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Platelet Activation Index	Normal		

ISAC Panel Coag Only

Fibrinogen Activity

Fragment 1+2

T/AT Complexes

ISAC Panel Flow Only

CD62P***

CD62P + ADP***

Platelet Activation Index

Coagulation Issues

2 female pts in their 60's, Rx'd w E & P

Both have "events"

1 has MRI evidence of mini-strokes, the other does not

Both have abnormal coagulation profiles

Elevated fibrinogen & thrombin activation

Coagulation Issues

2 patients, one in her 70's and another in her early 50's with leg thrombophlebitis, responded to D.C.-ing Progesterone

Caution: coagulation issues are possible, though uncommon, with hormones

Sophisticated coagulation studies are possible.

There are treatment options as well:
Omega 3, Bolouke, ? heparin