



PAPP-A ELISA

A STATE OF THE ART ELISA ASSAY

FEATURES	ADVANTAGES	BENEFITS
Solid Phase enzyme linked immunoassay with a 2.5 hours turnaround time.	Can be applied on most of the immunoassay systems available in the market.	Assay is universal. Need for special equipment eliminated.
Excellent precision in manual and automated systems.	Excellent Intra and Inter assay precision.	Robust construction of the assay and excellent component wise assay build.
Excellent method correlation with Commercially Available Elisa methods.	Excellent specificity.	Ensures that results are specific to the measure and tested.
Calibrators traceable to IRP 76/610 & UKNEQAS Down Syndrome screening EQA.	Follows international standardization recommendations.	Ensures traceable and commutable results.
Most sensitive Elisa kit available with a 15 ng/ml limit of quantitation.	Excellent lower limit of detection.	Eliminates unnecessary repeats and thereby is more economical than most commercially available Elisa assays.

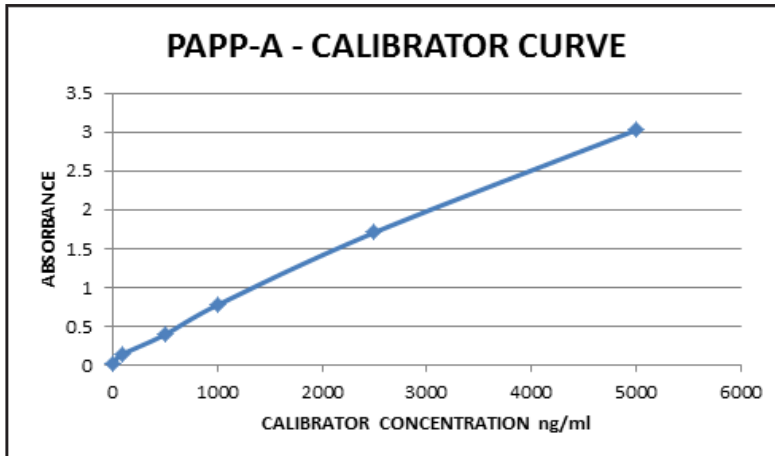
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PAPP-A ELISA - TECHNICAL SPECS

Typical Calibration Curve:

Precision:

CAL ID	CAL CONC (ng/ml)	ABSORBANCE	QC TEST	CRITERIA	ACTUAL
A	0	0.027	Abs (A)	<0.100	0.03
B	100	0.143	B/A	>2.5	5.30
C	500	0.393	C/B	>2.0	2.75
D	1000	0.773	D/C	>1.7	1.97
E	2500	1.708	E/D	>1.7	2.21
F	5000	3.028	Abs (F)	>1.8	3.028



Intra assay precision was worked out in a manual Elisa system with 20 replicates of each level of control material.

CONTROL	MEAN	SD	CV%
PAPP-A Level 1	506.00 ng/ml	11.16	2.21 %
PAPP-A Level 2	2181.95 ng/ml	45.07	2.07 %

Inter Assay Precision:

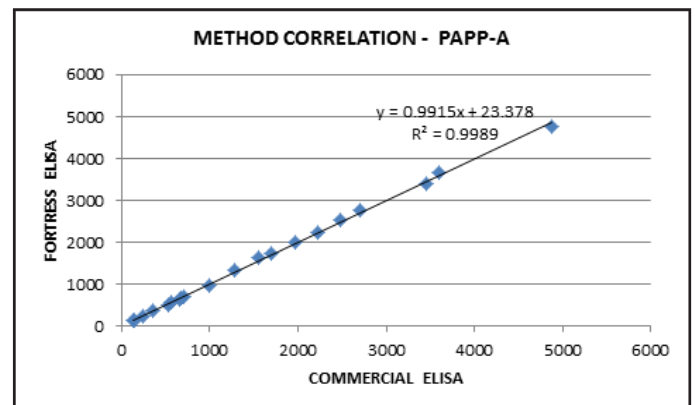
Inter assay precision was worked out in a manual Elisa system with 10 replicates of each level of control material.

CONTROL	MEAN	SD	CV%
PAPP-A Level 1	511.60 ng/ml	14.08	2.75 %
PAPP-A Level 2	2174.1 ng/ml	32.50	1.49 %

Method Comparison:

Method comparison assays were carried out by running 20 samples in the Fortress Elisa and compared with the values from a commercially available Elisa assay.

SAMPLE ID	LC/MS/MS	FORTRESS
1	524	519
2	127	132
3	3459	3399
4	4876	4756
5	698	702
6	1278	1322
7	1548	1642
8	1695	1725
9	235	238
10	142	149
11	986	976
12	674	668
13	1975	1999
14	3596	3652
15	2226	2233
16	2478	2539
17	655	645
18	347	358
19	569	579
20	2698	2758



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