

CiasLatex PSA



Kanto Diagnostics

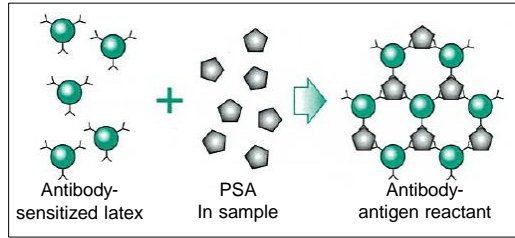


Characteristics

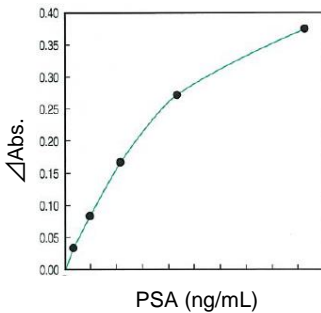
- The measurement principle is Latex turbidimetric immunoassay.
- It shows the equimolar reactivity to Free PSA and PSA ACT.

◆◆ Measurement principle ◆◆

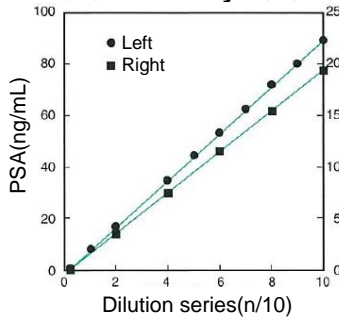
Latex are aggregated, and turbidity increases by antigen-antibody reaction with the anti-human PSA monoclonal antibody (mouse) and the PSA in sample. Measure the amount of PSA by the amount of change in the turbidity as the amount of change in absorbance.



◆◆ Calibration curve ◆◆



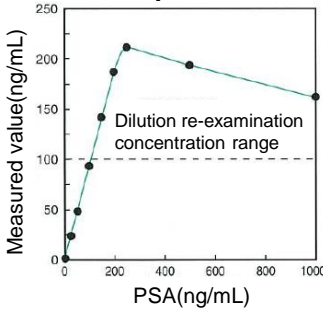
◆◆ Linearity ◆◆



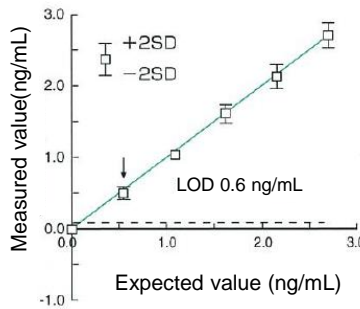
◆◆ Within-run precision ◆◆

Sample	1	2	3
N	10	10	10
Mean	1.22	3.95	29.62
Max	1.3	4.0	8.0
Min	1.2	3.9	7.8
Range	0.1	0.1	0.2
SD	0.042	0.052	0.204
CV (%)	3.44	1.32	0.69

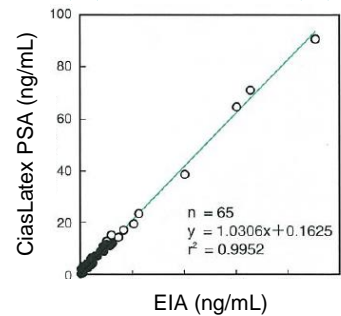
◆◆ Zone phenomenon ◆◆



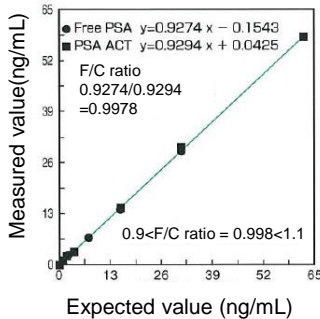
◆◆ Limit of detection ◆◆



◆◆ Correlation ◆◆



◆◆ F / C ratio ◆◆



◆◆ Influence tests ◆◆

No interference is observed by hemoglobin, bilirubin, lipemic, ascorbic acid.

◆◆ Product list ◆◆

Code	Name	Grade	Reagent	Package	Storage	Expiry
77923	CiasLatex PSA	7170	Reagent 1	15 mL × 2	2 - 8°C	1 year
			Reagent 2	15 mL × 1		
77924	LA PSA Calibrator			1 mL × 1 × 6conc.	2 - 8°C	1 year
77925	Qualitrol PSA			1 mL × 3 × 2conc.		
77926	Diluted solution for PSA			3 mL × 2	2 - 8°C	1 year



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