



PSA Sensitivity Panel

(Catalog No. 6115)

For Investigational Research Use Only

Application Notes: Prostate cancer is slowly progressive and may cause no symptoms early in disease. *Prostate Specific Antigen (PSA)* is, at present, the most sensitive marker available for early detection and monitoring of disease progression. The ZeptoMetrix Corporation *PSA Sensitivity Panel* was designed to provide developers of PSA test kits with a useful tool for product development, routine quality control, and for monitoring test kit performance. Our Panel is a 15 member dilutional series of specimens from a stock pool of known PSA concentration and is spread across the dynamic range of the assays.

Panel I.D. Number	Matrix	Ciba Corning (ng/ml)	Abbott IMx (ng/ml)	Hybritech (ng/ml)	Tosoh (A) (ng/ml)	Tosoh (B) (ng/ml)	Free PSA **	Free/T PSA Ratio **
PR6115-01	SERUM	0.05	0.1	<0.5	0.03	0.03*	0.00	0.000
PR6115-02	SERUM	1.41	1.4	1.0	1.61	1.53	0.12	0.078
PR6115-03	SERUM	4.44	3.2	3.8	3.56	3.50	0.65	0.186
PR6115-04	SERUM	9.02	6.9	8.7	8.22	8.03	0.68	0.085
PR6115-05	SERUM	13.39	10.0	11.5	12.24	12.71	0.70	0.055
PR6115-06	SERUM	18.10	13.3	18.0	16.56	15.72	1.13	0.072
PR6115-07	SERUM	25.13	16.4	22.9	21.86	21.34	1.58	0.074
PR6115-08	SERUM	38.50	25.5	34.7	32.69	31.87	2.15	0.067
PR6115-09	SERUM	45.75	32.0	48.0	43.07	42.78	1.97	0.046
PR6115-10	SERUM	63.41	43.4	60.8	57.59	54.38	2.80	0.051
PR6115-11	SERUM	69.90	49.1	66.1	62.64	60.94	3.33	0.055
PR6115-12	SERUM	76.29	47.5	88.5	76.47	68.19	3.78	0.055
PR6115-13	SERUM	111.68	70.0	91.0	126.84	87.69	5.61	0.064
PR6115-14	SERUM	99.87	59.0	104.0	90.32	87.72	4.43	0.051
PR6115-15	SERUM	94.41	55.4	116.0	81.94	76.25	4.33	0.057

All sera tested and found to be nonreactive for Anti-HIV 1, Anti-HCV and HBsAg *Assay modified to measure PSA to 0.01 ng/ml
 Performed on Tosoh AIA-1200 Analyzer: Bio-Rad Tri-Level Ligand Controls Level I

Mean: 0.98
 Level II 3.33
 Level III 24.68

**Research Use Only Assays
 2 S.D. Range:

2.65 - 4.01
 21-24 - 28.12

(A)/(B) Assay Performed at 2 independent Reference Laboratories

0.72-1.24 1/16/96: 0.94 1/26/96: 0.94
 3.29 3.51 26.43 25.50