

Prostate Specific Antigen (PSA)

Accreditation Status:	UKAS Schedule of Accreditation												
Date Scheme started:	1990												
Clinical Applicability:	Diagnosis and management of prostate carcinoma												
Analytes:	Total PSA (SER/020), Free PSA (SER/030) <i>Each analyte is available separately</i>												
Units for Reporting:	µg/L (total and free PSA) in relation to the WHO International Standard												
Samples Distributed:	Liquid format. Normal and pathological human serum.												
Number of Distributions per year:	12												
Number of Samples per Distribution:	2												
Frequency of Distributions:	Every month as outlined in the Distribution Schedule												
Schedule of Analysis:	Data entry is via the web for the submission of results. Data analysis is commenced 14 days after sample dispatch. Late returns are accepted and will contribute to the laboratory's cumulative performance statistics												
Data Analysis:	All Laboratory Trimmed Mean (ALTM) with truncation at 2SD, SD, and CV%. Reports also show method specific statistics. Individual laboratory performance is expressed in terms of MRBIS, SDBIS, and MRVIS Chosen Coefficient of Variation for Prostate Specific Antigen is 6% Chosen Coefficient of Variation for Free Prostate Specific Antigen is 6%												
Performance Scoring:	MRVIS												
Criteria of Performance:	Laboratory performance for Total PSA and Free PSA is classified in terms of the MRVIS over a running analytical window of 12 Distributions (12 months) <table><tr><td>Ideal</td><td>MRVIS</td><td><50</td></tr><tr><td>Good</td><td></td><td>50 - 100</td></tr><tr><td>Adequate</td><td></td><td>101 - 200</td></tr><tr><td>Poor</td><td></td><td>>200 or SDBIS >200</td></tr></table>	Ideal	MRVIS	<50	Good		50 - 100	Adequate		101 - 200	Poor		>200 or SDBIS >200
Ideal	MRVIS	<50											
Good		50 - 100											
Adequate		101 - 200											
Poor		>200 or SDBIS >200											
Persistent Poor Performance:	Defined as being in the Poor Performance category for two or more successive Distributions												