

## Prostate Specific Antigen (PSA)

<b>Accreditation Status:</b>	<a href="#">UKAS Schedule of Accreditation</a>												
<b>Date Scheme started:</b>	1990												
<b>Clinical Applicability:</b>	Diagnosis and management of prostate carcinoma												
<b>Analytes:</b>	Total PSA, Free PSA <b>Each analyte is available separately</b>												
<b>Units for Reporting:</b>	µg/L (total and free PSA) in relation to the WHO International Standard												
<b>Samples Distributed:</b>	Liquid format. Normal and pathological human serum. Additional materials may be produced for specific recovery experiments by the addition of purified Free PSA analyte-free human serum pools												
<b>Number of Distributions per year:</b>	12												
<b>Number of Samples per Distribution:</b>	2												
<b>Frequency of Distributions:</b>	Every month as outlined in the <a href="#">Distribution Schedule</a>												
<b>Schedule of Analysis:</b>	<b>Data entry</b> 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												
<b>Data Analysis:</b>	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%												
<b>Performance Scoring:</b>	MRVIS												
<b>Criteria of Performance:</b>	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>&lt;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>&gt;200 or SDBIS &gt;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											
<b>Persistent Poor Performance:</b>	Defined as being in the Poor Performance category for two or more successive Distributions												