



Features

- Total PSA (0.5 – 25µg/l)
- 10 minute quantitative test
- Small sample (whole blood or plasma)
- Capillary (finger-prick) or venous specimen
- Simple operation
- Touch-screen control
- Very portable - point-of-care
- Bluetooth® wireless connectivity
- Compatible with other Mediwatch products
- Clinically equimolar with NIBSC and European standards

bioscan™ PSAwatch™

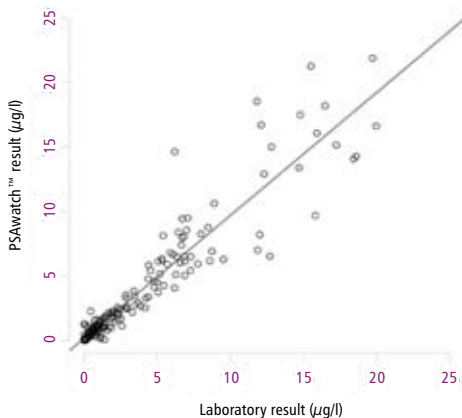
A Rapid Point of Care PSA Test
To Accelerate Clinical Decision

bioscan™ PSAwatch™



PSAwatch™ is the First Low Cost Rapid Point-of-Care PSA test

PSAwatch™ with the Bioscan™ reader system is easy to use. No special training is required and the system is small enough to be used in any location. Place the PSAwatch™ cassette into the Bioscan™ reader, put the sample into the “test well” and wait 10 minutes for the PSA result. The test is clinically equimolar with NIBSC and European standards and correlates well with a standard laboratory assay ($R^2=0.88$) [1]. The test works with whole blood from a venous puncture or finger-prick, and plasma [2].



Graph to show correlation of PSA determined by PSAwatch™ against laboratory result. $R^2=0.88$ [1]

Technical Specifications

PSAwatch	
PSA Range	0.5 – 25µg/l (>25µg/l for higher PSA conc.)*
Sample	Whole blood or Plasma
Sample Volume	35µL
Specificity [2]	99.5%*
Limit of Quantification [2]	0.41µg/l*
Assay Precision [2]	+/- 13%*
Test Duration	10 mins*
Standardisation	Clinically Equimolar with NIBSC and European standards
Bioscan	
Dimensions	13 cm (W) x 12 (H) cm x 19 cm (D)
Weight	1.0 kg
Screen	3.5 inch LCD
Input Method	Touch Screen and Bluetooth
Power	Medically approved power supply
Operating Conditions (Reader)	8 to 40°C, up to 90% RH (20°C)
Storage requirements (Reader)	-10 to 40°C, up to 90% RH (20°C)
Operating Conditions (Cassettes)	Room Temperature & Humidity
Storage requirements (Cassettes)	18 to 25°C, up to 90% RH (20°C)
Connectivity	Bluetooth®
CE marked	0843

(*Used as per instructions)

[1] Point-of-care PSA testing. An evaluation of PSAwatch™. O Karim, A Rao, M Emberton, D Cochrane, M Partridge, P Edwards, I Walker and I Davidson. Prostate Cancer and Prostatic Diseases (In Press).

[2] Data on file Mediwatch Plc.

Quantitative PSA at the Point-of-Care

Urologists, primary care physicians and nurses rely on accurate measurement of PSA for the management of new or recurrent prostate disease. The PSAwatch system measures PSA to one decimal place, in the clinically significant range (0.5 - 25µg/l) [1].

PSAwatch™ Clinical Applications

- Men with LUTS (lower urinary tract symptoms)
- Suspicious DRE (digital rectal examination)
- PSA surveillance and PSA velocity (PSA/ t)
- Monitoring response of prostate cancer to therapy (hormones, radiotherapy, brachytherapy, cryotherapy or HIFU)
- Prostate cancer screening with age specific range
- Prostate cancer “active surveillance”

Accessories

Description	Part Number
PSAwatch Test Kit (for 20 tests)	BS-0011
Capillary Blood Collection Kit (for 20 samples)	BS-0006
Refill for capillary blood collection kit (for 20 samples)	BS-0010
Pipette	BS-0009
Thermal Printer with Bluetooth® connection	BS-0007
Bioscan Carry Case	BS-0004
Bioscan Reader	BS-0001

Compatible with other Mediwatch Products

Touch-screen input makes the Bioscan™ convenient to use. The PSA value may be sent by Bluetooth® to a printer for a permanent hardcopy of the result or to a Mediwatch Multiscan and Portascan+.



Multiscan™



Portascan+

CE 0843