



INSTRUCTIONS FOR USE

ONE STEP TEST Specific Antigen (PSA) Detection In Whole Blood / Serum / Plasma

Only for professional in vitro diagnostic use.

Product Code: TPSA01 Semi-Quantitative PSA Detection Cassette Test.

BACKGROUND INFORMATION

Prostate specific antigen (PSA) is the best serum marker currently available for the detection of prostate cancer and is the forensic marker of choice for determining the presence of accoperation is none nexual assessuit cases.

Prostate cancer is a common malignamor, in Western populations and a growing public health problem globally. Although the prevalence of prostate turners becomes very high with age, only a small procrotion of lumors are potentially lettral (aggressive) and their determining challenge. Established risk factors include age, family history, and race, but, until only a small procrotion of lumors are potentially lettral (aggressive) and their determining the state of the prostate of the procretary of the

c anugen (Fox) uses a vince-nors of low to moderate grade. Given the virtually ubiquitous at cause progression to advanced disease. and hK15 (prostin), as well as other serine proteases. Although nd forms. The regulatory mechanisms of PSA are vital to its own about its function

inding, or prostate-specific arrigen (PSA) has profoundly affected the diagnosis and treatment of prostate cancer. PSA testing has enabled physicians to detect prostate tumours while still small, love-grade and localized. This very ability has, however, created controversy over whether we are now diagnosing and treating insignificant cancers. PSA testing has decimed the monotomy of treatment response and selection of disease recurrence. Much current research is directed at establishing the not establishing the notice.

INTENDED USE

REAGENTS

he Semi-Countilative PSA Detection Test Device uses solid-phase immunochromotographic technology for the semi-quantitative detection of prostate specific antigen in who cann't plasms. The test is a two-site immunometric assay in which a combination of monoclonal PSA antibodies and PSA monoclonal antibody costed particles are used to select prostate specific antigen in samples with a high degree of sensitivity. Monoclonal PSA antibodies were immobilized on the test area. "To fif he mitorice introduced from sampling pad. If there is PSA in the sample, PSA brints to the mobile PSA mitodocional PSA antibodies and as a result of this, PSA molecules bind to the immobilized Monoclonal PSA antibodies and as a result of this, PSA molecules and possible psace of the psace

PRECAUTIONS AND LIMITATIONS

- For professional and in wirvo diagnostic use only.

 Do not use test bit beyond expert dats. The test device is single use. Do not reuse.

 The test device a hould remain in its original sealed pouch until usage. Do not use the test if the seal is broken or the pouch is damaged.

 Wear disposable gives while performing the test.

 All patient samples should be handled as taking capable of transmitting disease into consideration. Observe established precautions against microcodures and follow the standard procedures for proper disposal of samples.

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 PEALevels may be unreliable in patients who receive hormone threaty or procedure and follow the original patients.

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STORAGE

Test device should be kept away from direct sunlight, moisture, heat and radiation sources. Store at 4 - 30°C (39 - 86°F). Do not freeze. The test in the original packaging retains stable until expiry date at storage conditions. The test device should be used in maximum one h

SAMPLE COLLECTION AND PREPARATION

Leading and the conformed using whole blood, serum or plasma. To avoid he

For Whole Blood Samples; Test should be performed immediately with whole blood samples. Otherwise, whole blook heparin, citrate should be used) to avoid coagulation until they are being tested in a period of 2 days after collection.

For Serum Samples: Collect blood into a collection tube without a period remaining supernatant is used as serum.

For Plasma Samples: Collect blood into a collection tube with anticoagula At the end of centrifuge period supernatant is used as plasma.

Do not use turbid, hemolyzed samples. If the sample cannot be tested on the day of collection, store the serum, plasma samples in a refrigerator or freezer. Do not freeze and thaw the serum, plasma samples repeatedly. Do not freeze whole blood sample. Bring the samples to room temperature before testing. Frozen samples must be completely thawed and mixed well proof to testing. Turbid test samples should be confidenced. It since if frozen and thawed carmoles should be avoided whosever consible, due to the blocking of the membrane by the febries.

TEST PROCEDURE

1. Take the test device out of its pouch. Bring the tests and whole blood / serum / plasma samples to room temperature, 2. For Serum / Plasma Samples; Draw serum / plasma into dropper and put 1 drop (40 µl) into the sample well of the cat µl) of dilutent is added into the sample well and allowed to soak in.

For Whole Blood Samples; Draw whole blood into dropper and put 2 drops (60 µl) into the sample well of the cassette dilutent is added into the sample well and allowed to soak in.

Avoid the formation of any air bubbles.

3. Depending on the amil-PSA concentration in the sample, the test can react even in 2 - 3 minutes. Results should be read-interpret results beyond 10 minutes, results forming after 10 minutes should be regarded as invalid.

**Note: I'migration is not observed in the result window after 30 seconds, add one or two exita drops of diluent.

INTERPRETATION OF RESULTS

Negative: Two colored lines are visible in control area "C" and reference line "R" indicating that PSA level is below 4 ng/ml.

Positive: Three distinct colored lines appear

A. Test area "T" intensity weaker than the reference line "R" indicating that PSA level between 4-10 ng/ml.

B. Test area "T" intensity equal or close to the reference line "R" indicating that PSA level of approximately 10 ng/ml.

C. Test area "T" intensity stronger than the reference line "R" indicating that PSA level above 10 ng/ml.

Invalid: No colored line is visible in control area "C" or reference line "R" or only one colored line is visible in test area "T"; tets device.



QUALITY CONTROL

Tests have built in procedural quality control features. When the test is con and a colored line in the "T", "R" and "C" area on positive samples. The app control. This line indicates that sufficient volume of sample was added as used to verify proper lest performance as an external control. Users sh controls.

PERFORMANCE EVALUATION

SA Detection Test Device has been performed using below samples. Results were shown at below table and evaluated by Tietz Method. 300 PSA positive samples (300 PSA positive samples (300 PSA positive samples (300 PSA positive samples (300 PSA positive samples (Billubin) 300 potentially interfering PSA negative samples (Remoglobin) 300 potentially interfering PSA negative samples (Hemoglobin) 300 potentially interfering PSA negative samples (Hemoglobin) 300 potentially interfering PSA negative samples (Placadid) 120 PSA positive calibrated samples (DSPA positive calibrated samples (PSA pos

	Total	470	580	1050	+ Predictive V: 100 %	-Predictive V: 100 %
					s (2ng/ml, 4 ng/ml, 10 ng/ml, 20 study by Turklab.	ng/ml, 40 ng/ml and 100 ng/ml) were tested with Turklab PSA IVD tests and cut-off value
Cross	eactivity: C	ross rea	activity h	as been te	ested with hK2 positive samples,	no cross reactivity was found with Turklab PSA rapid test.
					ices; Ascorbic acid, bilirubin, hen sults was observed.	noglobin, triglycerides, uric acid were tested with PSA IVD Medical devices. In each case
Hook e	fect: No sig	nificant	hook eff	ect was de	etected when samples containing	g 30 000 ng/ml of PSA were assayed.
Haemo	ytic sample:	s can int	erfere a	nd can cau	use to invalid or false test results.	
	RANCES or developmen		tion to pro	state-specific	antigen detection; Declan A. Healy', Conc	or J. Hayes', Paul Leonard', Louise McKenna' and Richard O'Kennedy', School of Biotechnology and Biomedical

n detection: Declan A. Healy', Conor J. Heyes', Paul Leonard', Louise McKenna' and Richard O'Xennedy', School of Biotechnology and Biomedical City University, Dublin St, Indiana', Tomeris Science Laboratory, Gazda Headquarters, Phoenix Park, Dublin St, Indiana Available online 24 January 8, organization, Septimisearch, Josefick, Genomber-Mewer-St, searchSrife-14933590178, greanOrigin-scholar annuel 2-3660539663588earchyber-a

SYMBOLS USED

TÜRKLAB TIBBİ MALZEMELER SAN. TİC. A.Ş.
A.O.S.B. 10040 Sok. No.:20 Çiğirl-İzmir / TÜRKEY
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