

MOLECULAR ANALYSIS REPORT

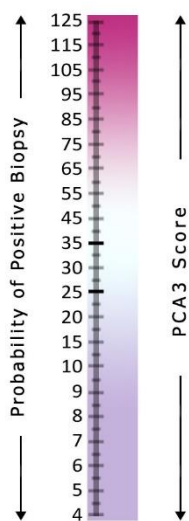
Laboratory Director: George Nasioulas PhD.

Sample Information

Name:		Req. Physician:	
ID/Medical ID:		Report No:	
Date Of Birth:		Date Received:	
Sample:	Urine	Date Of Report:	

PCA3 expression for prostate cancer

Increased



Decreased

Negative, PCA3 score =1. There are prostate cells in urine that do not overexpress the PCA3 gene. This implies reduced probability for prostate cancer.

Interpretation

PCA3 is a prostate specific gene that is overexpressed in prostate cancer. Prostate tumor cells express 60 to 100 times more PCA3 mRNA compared to non-tumor cells. The higher the PCA3 levels are (PCA3 score), the greater the probability for a positive biopsy. PCA3 expression in relation to PSA mRNA was quantified using the Real Time Reverse Transcription PCR method (Real Time RT-PCR).

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PCA3

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Results interpretation:

PCA3 score 0-24: Negative

*PCA3 score 25-34: Positive-Relatively increased probability for a positive biopsy

Βαθμός PCA3 35+: Positive- Increased probability for a positive biopsy

*Comment: Due to normal test variability, specimens with ratios near the cutoff value of 25 (es. 18-31) may yield a different overall interpretation upon repeat testing.

References

1. Gittelman MC, Hertzman B, et al. PCA3 molecular urine test as a predictor of repeat prostate biopsy outcome in men with previous negative biopsies: a prospective multicenter clinical study. J Urol. 2013 Jul;190 (1):64-9. doi: 10.1016/j.juro.2013.02.018. Epub 2013 Feb 14.
2. Haese A, de la Taille A, et al. Clinical utility of the PCA3 urine assay in European men scheduled for repeat biopsy. Eur Urol. 2008 Nov;54(5):1081-8.
3. Foj L, Milà M, et al. Real-time PCR PCA3 assay is a useful test measured in urine to improve prostate cancer detection. Clin Chim Acta. 2014 Aug 5;435:53-8.

Note:

Each molecular analysis has an internal error probability of 0,5-1%. This is due to rare molecular events and factors involved in the production and analysis of specimens.