



The alternative biopsy for prostate cancer

Cancer  **Hope**
אונקולוגיה מותאמת אישית

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About Trublood®

trublood® prostate is a non-invasive, blood-based biopsy for diagnostic triaging of individuals with prostate related symptoms. It detects prostate-specific circulating tumour cells (CTCs) and CTC clusters, which are present in the blood of individuals with prostate cancer and undetectable in healthy individuals or patients with benign prostate conditions.

trublood® prostate is the result of several years of research involving a team of more than 150 scientists and clinicians using the world's latest equipment and software. This technique has been clinically validated with data from more than 25,000 samples from asymptomatic individual donors, as well as more than 18,000 samples from cancer patients and patients with benign conditions, totalling more than 43,000 evaluable samples.

trublood® prostate identifies individuals who can be prioritised for prostate biopsies.

trublood® prostate is particularly recommended for ...



Suspected metastatic relapse to rule out new primary.



Individuals with urological symptoms suspected of prostate cancer (high PSA, hyperplasia).



Patients where an invasive biopsy has been inconclusive or inconsistent with clinical observations.



Individuals who desire a risk-free triaging for prostate biopsy.

trublood® in comparison

Usual Tissue Biopsy	trublood® prostate
Invasive, need of tissue	Only one blood draw
Usually painful	No pain
Risk of tumour cell seeding	No risk
Possibly misleading as it is site / time dependent	Provides real time data and covers all active sites
Serial / sequential biopsies are impossible	Can be performed as often as necessary
Not viable if primary tumor is not easily visualised	Viable even if primary / metastasis are undetectable

FAQs



How is the test performed and which analytes are included?

Prostate-specific circulating tumour cells (CTCs) and CTC clusters are isolated from patient's blood sample and extensively analysed to detect prostate malignancy.



What happens if a test is negative?

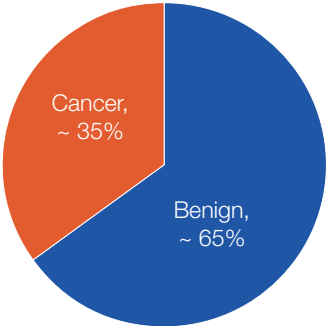
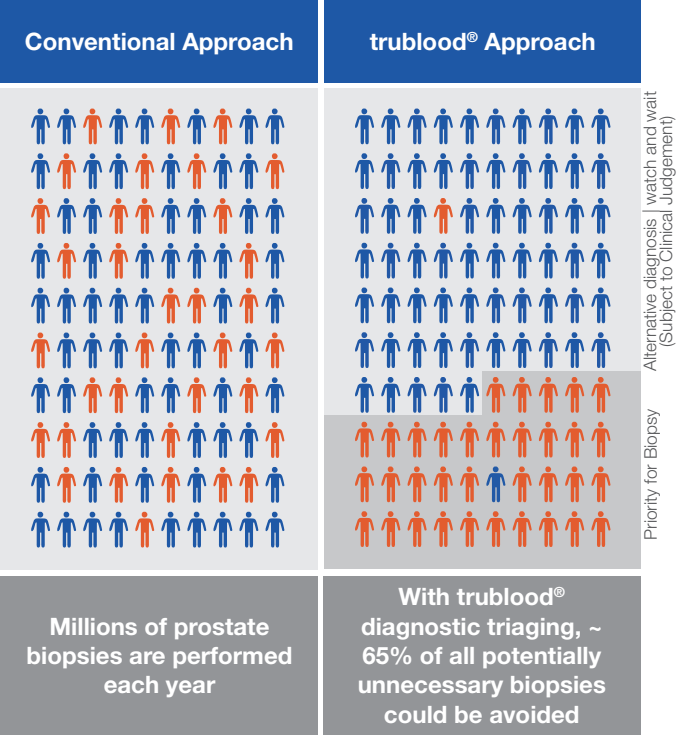
Individuals who test negative can be considered for a later evaluation.



What are the most important facts regarding the sample collection?

- 20 ml venous blood
- 5 - 6 hours fasting before test
- Turn-Around-Time: 10 days

trublood® vs. other methods

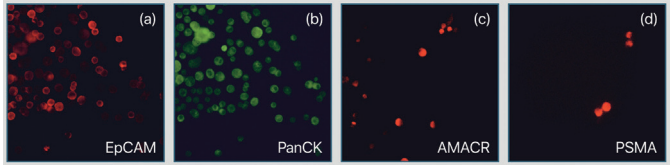


Approx. 60%-70% of all prostate biopsies are negative, indicating the high proportion of individuals who undergo an invasive procedure that is retrospectively deemed unnecessary.

Publications

- Akolkar D. et al. Circulating ensembles of tumor-associated cells: A redoubtable new systemic hallmark of cancer. International Journal of Cancer. 2020; 146(12): 3485-3494. doi:10.1002/ijc.32815.
- Ranade A. et al. Hallmark Circulating Tumor-Associated Cell Clusters Signify 230 Times Higher One-Year Cancer Risk. Cancer Prev Res (Phila). 2020 Sept 21. doi: 10.1158/1940-6207.CAPR-20-0322. Epub ahead of print.
- Gaya A. et al. Evaluation of circulating tumor cell clusters for pan-cancer noninvasive diagnostic triaging. Cancer Cytopathol. 2021 Mar; 129(3): 226-238. doi: 10.1002/cncy.22366.

Illustrative Immuno- cytochemistry images



Illustrative immunocytochemistry images of patient with prostate cancer

Trublood™ Prostate received Breakthrough Device Designation from the US FDA. This is awarded to innovative devices/analyses that have the potential to clearly improve existing care, for example in the early detection of life-threatening diseases such as cancer.

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