

Groundbreaking Study Published in Nature Biotechnology Demonstrates Sensitivity of Single Molecule Test for Detection of Prostate Cancer

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CAMBRIDGE, Mass., May 23 /PRNewswire/ -- Quanterix Corporation, the single molecule diagnostics company focused on developing and commercializing high sensitivity tests, announced the publication of a breakthrough study of the company's proprietary technology that demonstrates an unprecedented sensitivity for measuring a biomarker for prostate cancer recurrence. The research article, featured on the cover of the June issue (Volume 28, No. 6) of *Nature Biotechnology*, describes how researchers developed a simple blood test using Quanterix's Single Molecule Array (SiMoA[®]) technology to selectively capture and measure individual Prostate Specific Antigen (PSA) molecules in prostate cancer patients. The study showed that SiMoA was 1,700 times more sensitive than standard hospital tests, potentially allowing for detection of prostate cancer recurrence years earlier than current tests.

To demonstrate the clinical potential of SiMoA, PSA was measured in serum from men who had undergone radical prostatectomy for prostate cancer. For the majority of these patients PSA is initially reported as undetectable following surgery, but may be present at very low levels that predict the likelihood of disease recurrence. The Quanterix test was so sensitive that it was able to measure residual PSA levels in all samples tested. The PSA levels had been reported to be undetectable in these samples by standard tests, highlighting the sensitivity and precision of the SiMoA technology.

"This paper demonstrates the extraordinary sensitivity provided by our SiMoA platform. Its single molecule resolution has allowed us to measure PSA at extremely low levels, rather than having to wait until the cancer is more advanced," said Dr. David C. Duffy, Senior Director

[SOURCE](#) [1]

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