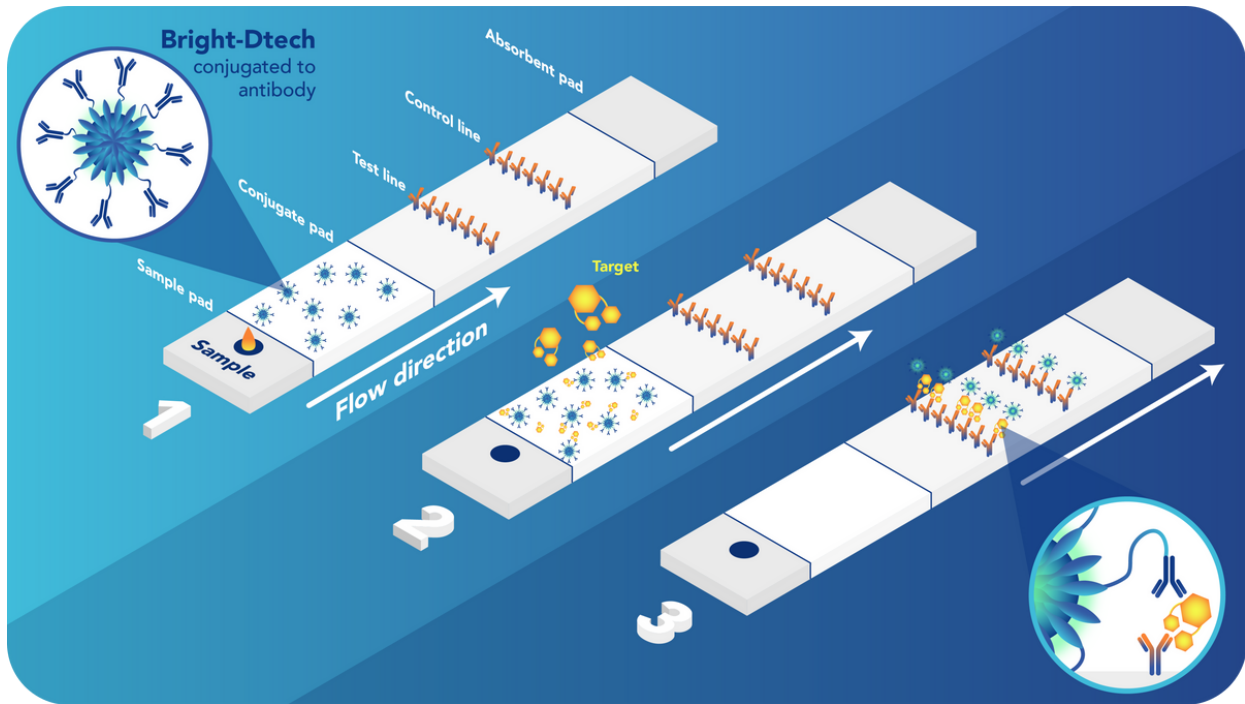


LATERAL FLOW ASSAY

Using Bright-Dtech™ technology

How it works:



Why using Bright-Dtech™ for Lateral Flow Assay?



High sensitivity and low background



Long lifetime and no photobleaching



Easy & controlled coupling with Link-Dtech™



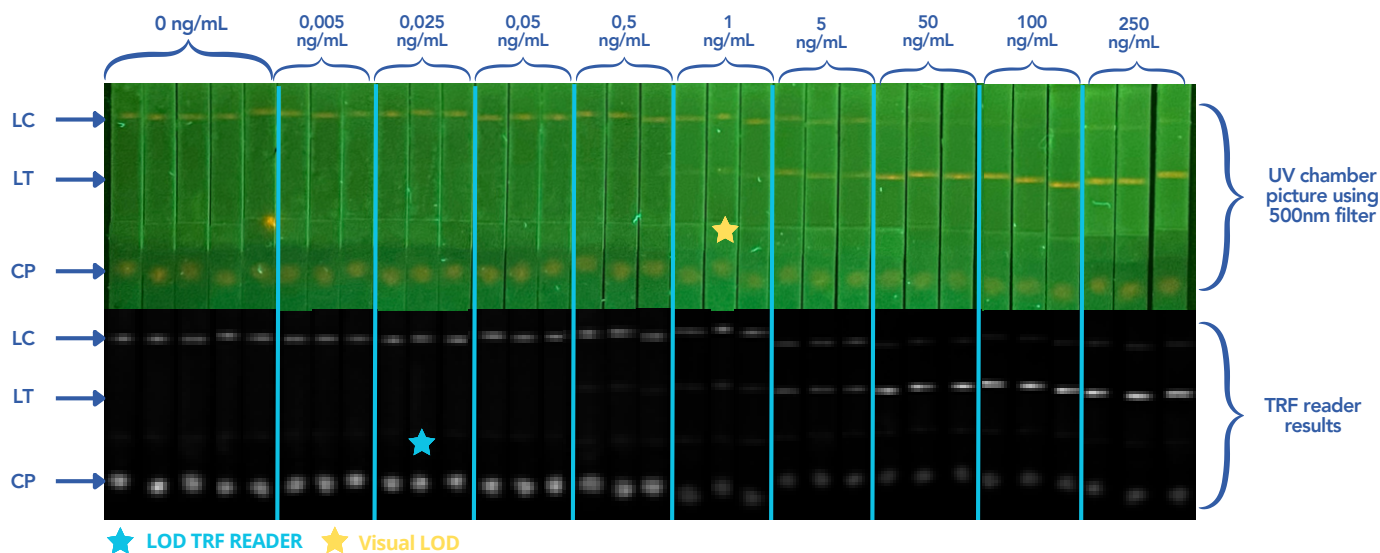
Quick and easy quantitative detection

Required material: Time-Resolved Fluorescence reader

Application to PSA* detection

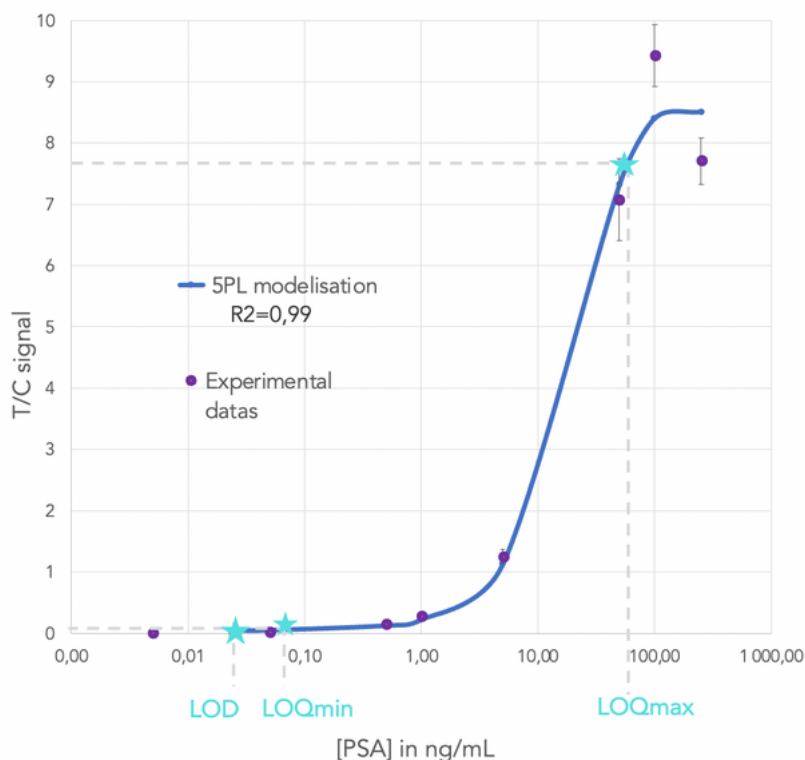
*PSA: biomarker of prostate cancer and disease

A sensitive, quantitative and efficient way of detecting PSA in serum:



Test performance analysis:

Standard Curve:



Reproducibility & repetability test:

[PSA in ng/mL]	0,5 ng/mL	5 ng/mL	100 ng/mL
Intra-assay SD%	7%	3%	8%
Repeatable if SD% < 10%			
Inter-assay SD%	3%	8%	15%
Reproducible if SD% < 15%			

Effect of the biological matrix (serum):

Spike & recovery test

Validated if 80% < %Recovery < 120%

[PSA in ng/mL]	0,5 ng/mL	5 ng/mL	65 ng/mL
%Recovery	90%	86%	92%

Performance summary:

Limit of detection: 25 pg/mL*

Dynamic range: 0,071 to 65 ng/mL

Repetable and reproducible

Low impact of biological matrix

*same sensitivity range as PSA ELISA tests