



FIRALIS

MolecularPrecision

**BIOMARKERS SOLUTIONS FROM
DISCOVERY TO CLINICAL
QUALIFICATION**

**Olink® Explore & Olink® Target
Services**

www.firalis.com



OLINK® SERVICES

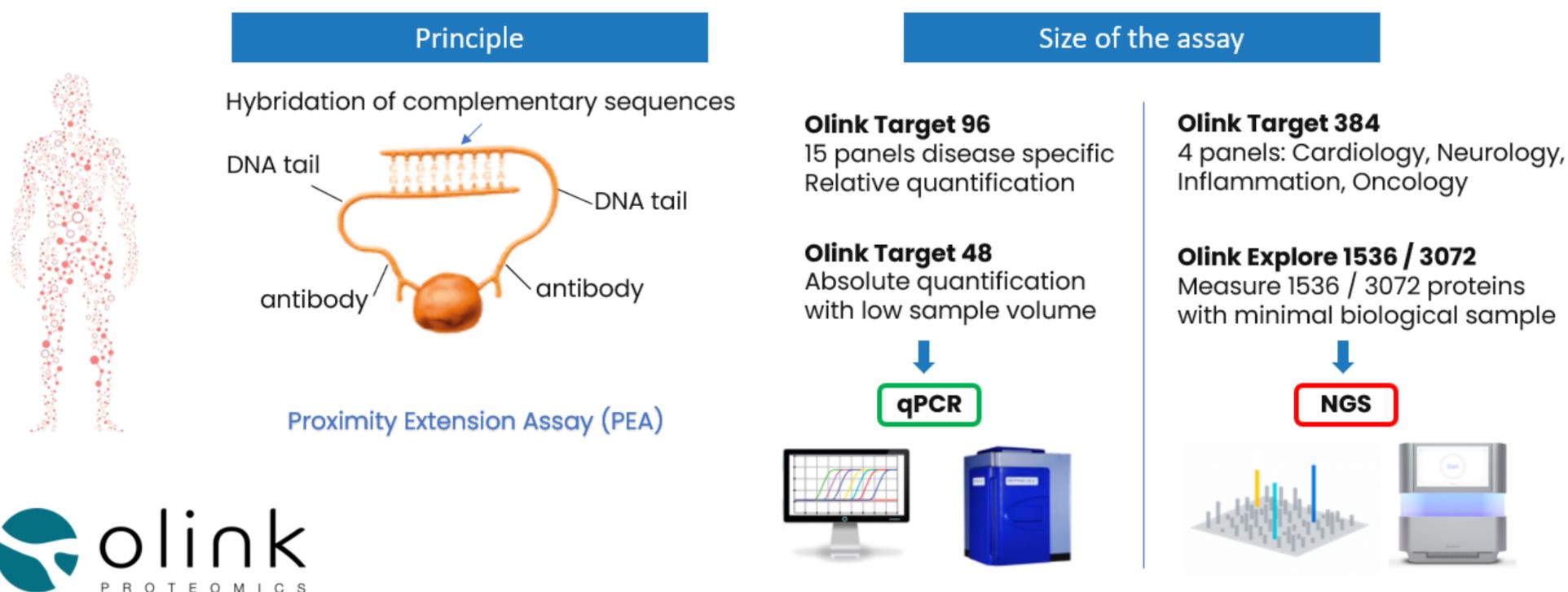
Olink® Explore & Olink® Target Services



If you have low volume of precious samples and you want to detect and explore a large panel of proteins on them, Olink® is made for you !

Firalis Molecular Precision is the first company certified in France for Olink® services and one of the first in Europe to propose to its customers all versions of Olink® technologies from Target 48 to Explore 3072.

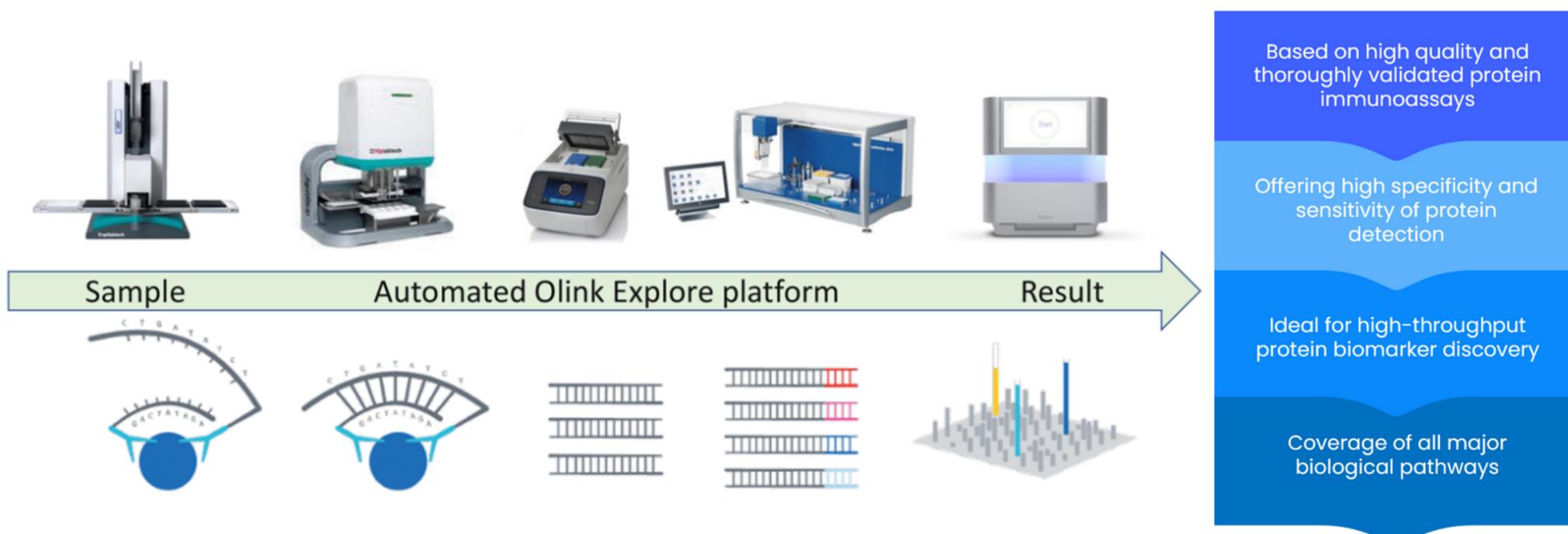
This technology is based on Proximity Extension Assay (PEA), mixing immuno-assay specificity and molecular biology sensitivity.



Olink® Explore Services



Olink® Explore 1536/384 is a high-multiplex, high-throughput protein biomarker platform that uses Proximity Extension Assay (PEA) technology coupled to an innovative new readout methodology based on Next Generation Sequencing (NGS) with Illumina NextSeq 2000 instruments.



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Olink® Explore & Olink® Target Services



Today, Firalis Molecular Precision offers you an access to an expanded version of the platform, Olink® Explore 3072, with 3072 assays through 8 x 384-plex kits... and always with only 50 µL of sample!

- Olink® Explore 384 Cardiometabolic & Cardiometabolic II
- Olink® Explore 384 Inflammation & Inflammation II
- Olink® Explore 384 Neurology & Neurology II
- Olink® Explore 384 Oncology & Oncology II

Explore panels contain:

- Low-abundant inflammation proteins
- Proteins actively secreted into the circulation
- Approved and ongoing drug target proteins
- Organ-specific proteins that have leaked into the circulation
- Proteins representing more exploratory potential biomarkers

Panel selection is customizable, running from 1 to 8 panels (384 to 3072 assays) depending of your choice.

Olink® Explore technically requires 10 µL of plasma or serum to measure 1536 analytes (1463 unique proteins) in the automated liquid handling system. Firalis requests to send 50 µL of each sample in case of sequential runs or re-tests.

Olink® Explore: reliable data generation and quality control



3 internal controls are spiked into every sample for each dilution and panel. They are designed to monitor the quality of assay performance, as well as the quality of individual samples:

- Immuno control (incubation step)
- Extension control (extension and pre-amplification step)
- Amplification control (amplification step)

Each sample plate also includes a control strip with the following controls:

- 2 Sample controls used to estimate the precision (intra- and inter-CVs)
- 3 Negative controls used to set the background levels for each protein assay and to calculate the limit of detection (LOD)
- 3 Plate controls used to compensate for potential variation between runs and plates

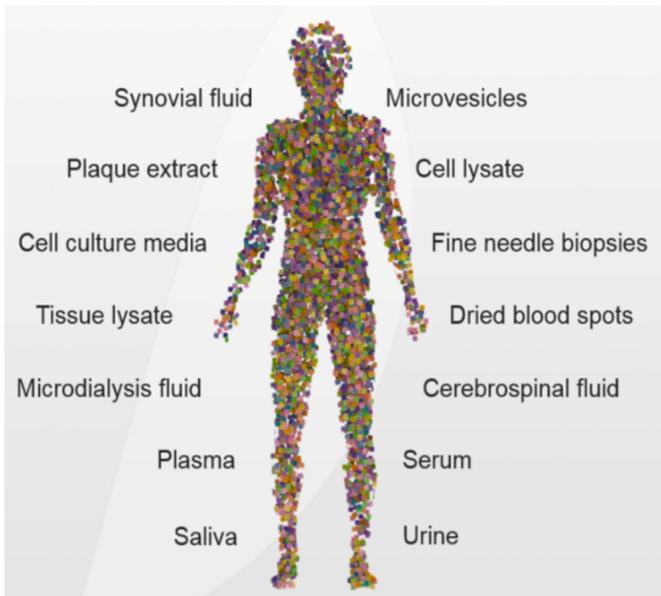
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Olink® Explore & Olink® Target Services



Beside Olink® Explore, Firalis Molecular Precision is also offering Olink® Target 96 & Target 48 technologies with several panels for targeted protein biomarker quantification (absolute or relative).

Olink® Target 96



- Olink® Target 96: Target protein biomarker discovery.
- Limit of detection below pg/mL with only 1 µL of sample per panel.
- 14 Human disease-focused and exploratory panels with more than 1100 markers.
- 92 Human proteins biomarkers measured simultaneously up to 88 samples in one panel.
- One panel for Mouse exploratory research also available.

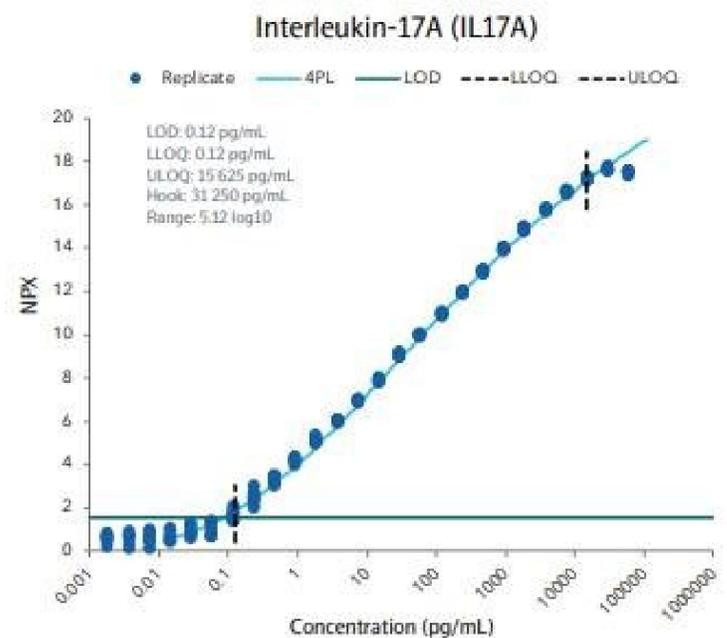
Olink® Target 48



Now available Olink® Target 48. With each kit, up to 40 samples can be analyzed, with absolute (pg/mL) concentration measurements.

Olink® Target 48 Cytokine is a reagent kit measuring 45 well established, inflammation-related human protein biomarkers simultaneously.

The Olink reagents are based on the Proximity Extension Assay (PEA) technology, where 45 oligonucleotide labeled antibody probe pairs are each allowed to bind to their respective target protein present in the sample.



Calibrator curve from IL17A assay and corresponding analytical measurement data

