



# Olink<sup>®</sup> Focus

Our custom panel offering

# Implementing actionable insights with Olink® Focus

To tailor healthcare to individual patients, we need to take the actionable insights gained from protein biomarker discovery and implement them as well-defined protein signatures. Olink® Focus is a custom-made product developed by our in-house research and development experts that enables this implementation.

While our standard offer of Olink® Explore 3072 and Olink® Target 96 panels provides an ideal broad screening-to-targeted discovery solution, our custom panel development enables customers to take the next important steps towards protein biomarker validation and implementation.

## How does it work?

When you have defined an informative protein profile from running our Explore or Target panels, we can work with you to design and validate your own Olink Focus panel of up to 21 proteins from the Target and Explore libraries.

Our library covers every major biological pathway and function within the low abundant plasma proteome. We can combine assays that normally require differential sample dilution through “assay optimization”.

Use Olink Focus to move further along the path from early protein biomarker discovery, through to the validation and implementation of clinically relevant protein signatures.

## Flexibility for fit-for-purpose validation

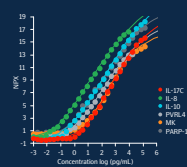
While Olink already applies thorough validation processes to all of its standard panels, even more stringent validation is included in the Focus offer. This ensures that the panel is fit for purpose for future clinical utility, such as in early phase clinical trials. The figures below overview some of the basic and optional validation steps available.

### Basic

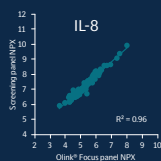
Biological and dynamic range



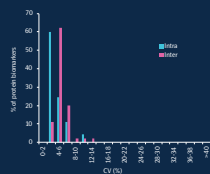
Sensitivity and dynamic range



Scalability

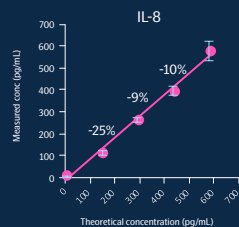


Precision



### Optional

Linearity



Cross-reactivity

Assay	Related protein	Coverage (%)	Identity (%)	Cross-reactivity (%)
FAPB4	FABP9	99	64	0.0
FR-alpha	FR-beta	87	77	0.1
KLK11	KLK8	90	49	0.0
EN-RAGE (S100A12)	S100P	98	45	0.0

### 21-plex panel

Unique 21-plex custom-made panel tailored to customer needs. Combine low- and high-abundant assays into the same panel.

### Samples

The minimum number of samples you can run per Focus panel is 1000. The number of samples per kit is 144 or 160, depending on absolute or relative quantification.

### Volume

Using only 1 µL of blood, our platform can generate millions of data points to help you gain actionable insights, fast.

### Quantification method

Depending on your needs, your panel can be developed for delivering results in NPX (relative quantification) or pg/mL (absolute quantification).

### Cost

Cost-effective approach for large-scale proteomic studies.

### Timeline

A new Olink Focus panel takes <6 months to develop.



## The Olink® Focus offer

Development and optimization of a custom panel using existing PEA assays

Theoretical feasibility study including review of protein list, where technical performance and customer prioritization leads to a preliminary panel suggestion

Relative quantification in NPX *or*  
Absolute quantification in pg/mL

Selectable degree of validation including analytical sensitivity (LOD, LLOQ, ULOQ, range) and precision (intra-assay and inter-assay CV assessment)

To tailor the panel for your needs, customer samples will be used to optimize the performance of the chosen assays to the sample set

## Good to know

Samples from the customer are needed for Focus panel development, and the samples must have been run in a discovery study using Olink Explore or Olink Target 96 to enable the theoretical feasibility study

To fit all assays within the dynamic range in the same Focus panel, we include optimization of up to five assays with divergent abundance that usually would require pre-dilution

Each Focus project will produce one batch of reagents, and if you need to order another batch of the same Focus panel, Olink needs to run a bridging and production project, utilizing your samples for optimal performance

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