Olink® Concordance Test

Concordance Test instruction for Olink® Target 96 Inflammation

This instruction describes the workflow for a concordance run using Olink® Concordance Test with Olink® Target 96 Inflammation. For more detailed information on running Olink Target 96 panels, please refer to the Olink Target 96 User Manual.

1. About the test

Olink® Concordance Test is developed to give Olink-trained labs the possibility to show similarity in run quality in-house compared to Olink Analysis Service labs.

The Olink Concordance Test consists of:

- Olink® Concordance Test plate
- Concordance Test report

Results from the Concordance Test are provided in the summarizing Concordance Test report with results comparing Olink Analysis Service lab and Olink-trained lab.

1.1 Olink Concordance Test plate

The Concordance Test plate is a 96-well Sample Plate containing 50 plasma samples, 48 samples in columns 1–6 and 2 samples in column 12.
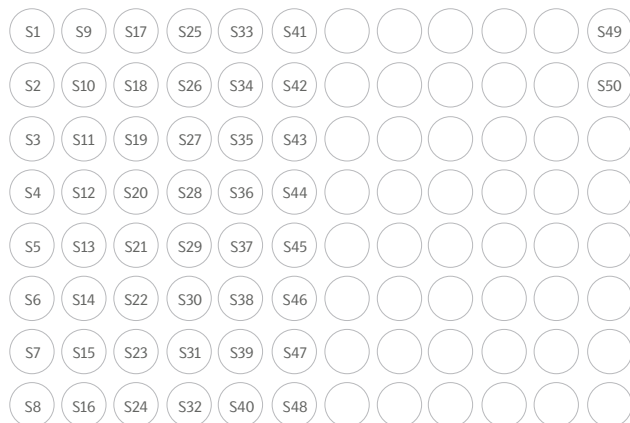
1.2 Concordance Test report

The report includes a summary of:

- QC Warning
- PCA
- Intra CV
- Correlation
- Regression
- Detectability

2. Equipment

Equipment and consumables required for performing the concordance test.

Ordered by customer:

- One (1) Olink Concordance Test
- One (1) Olink® Target 96 Inflammation reagent kit
- One (1) Olink® 96.96 IFC for Protein Expression

Provided by Olink:

- Sample manifest

3. Workflow

1. Thaw the Olink® Concordance Test Sample Plate. 48 samples in columns 1–6 and 2 samples in column 12 are provided.
   ! NOTE For this Target 96 run, samples in column 1–6 and duplicates of column 1–5 will be used. And the two duplicates of plasma, S49 in well A12 and S50 in well B12, will be used as Sample Control. An alternative to running duplicates is to run customer samples in columns 7-11.
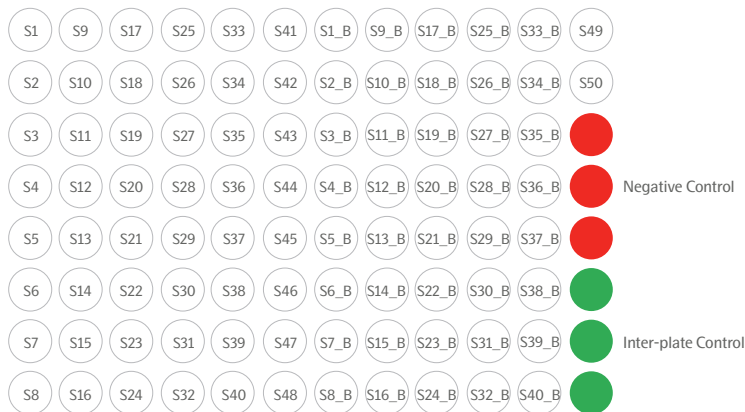
2. Run the Olink® Target 96 reagent kit according to the Olink® Target 96 User Manual. Store the Concordance Test Sample Plate at −80°C in case a rerun is required.

3. QC your data according to the Olink® NPX Signature User Manual.
   ! NOTE Use the exact sample manifest provided by Olink, to ensure generated data and report are correct.
   ! NOTE All QC criteria need to be fulfilled to ensure that the Concordance Test results can be correctly calculated. Contact support@olink.com if there are any concerns regarding the QC.

4. Export the results file with the following settings:
   Data Type: NPX Values
   Assay Types: Assays and Control Assays
   Output format: Long
   File type: Text
   Sample Types: Samples, Control Samples, Plate Control

   Export the Analysis Report.

5. Email the exported data and Analysis Report to support@olink.com. We also ask you to provide the NPX Signature project file (.npx file), and/or the run files (.q100 files).

6. A Concordance Test report will be sent to you with data comparing your run with Olink Analysis Service.

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