

**Scope of Services**

The Invitrogen business of Life Technologies Corporation (“Invitrogen”) will profile a specified number of biotinylated or fluorophore-labeled small molecule(s) (SM) of interest in an *in vitro* Small Molecule-protein Interaction (SMI) assay interaction using ProtoArray® microarrays that contain more than 9,000 human proteins as outlined below on behalf of the “Client”.

This Statement of Work specifies Invitrogen's ProtoArray® SMI service for this project.

**Service includes:**

1. Characterization of protein interactions on ProtoArray® Human Protein Microarrays v5.0 (containing more than 9,000 unique proteins spotted in duplicate) in an *in vitro* small molecule-protein interaction assay.
2. Controls and samples are as listed below. This service includes four (4) ProtoArray® microarrays in total.
3. Probing of ProtoArrays® v5.0 at two (2) small molecule concentrations (2.5 µM and 25 µM, unless specified otherwise by Client), in singlicate, using a total of two (2) microarrays, and detection of interactions using appropriate detection reagent. The choice of detection reagent depends on the whether the protein is biotinylated or labeled with a fluorophore.
4. Probing of one (1) ProtoArray® v5.0 with the detection reagent only as a negative control.
5. Probing of one (1) ProtoArray® v5.0 using Alexa Fluor® 647-labeled staurosporine as a positive control.

**Notes:**

- a. *When multiple small molecules with the same detection strategy are profiled simultaneously, only one positive and negative control will be performed.*
- b. *Invitrogen does not guarantee that any interactions of the small molecule of interest will be observed on the array or that observed interactions are specific to the small molecule of interest.*

**Timeline:** 4 weeks upon initiation of service project

**Client Provides:**

1. Labeled small molecule (50 µL at 10 mM)
2. Small molecule buffer/solvent
3. Signed Quotation and related Purchase order
4. Project Initiation Sheet

**Invitrogen delivers:**

1. Comprehensive project report that includes all data of interacting proteins, and results of the positive and negative controls for the ProtoArray® Small Molecule Interaction Profiling Assay.
2. Image files and raw data.

**Ordering information:**

<b>Service Description</b>	<b>Catalog Number</b>
ProtoArray® Small Molecule Profiling Svc (biotinylated or fluorophore-labeled):	Custom Quote

**Timeline:**

Upon receipt of all of the following: (i) this Quotation signed by Client; (ii) the Purchase Order related to this Quotation; and (iii) the Client Materials, Invitrogen will place the project in the current queue for execution. The Client will be informed of the predicted start date. Once the project is initiated, Invitrogen will use commercially reasonable efforts to supply the Deliverables to Client within the specified timelines. The turnaround time may be extended for submissions of  $\geq 20$  molecules.

**Project management (PM):**

Our project management team will be overseeing the work on this project and will keep you apprised of the status.

**Terms and conditions:**

Invitrogen's Terms and Conditions for Provision of Services govern the service work provided hereunder and are available upon request. Furthermore, this service may be covered by one or more Limited Use Label Licenses (See Technical Support section of [Invitrogen.com](http://Invitrogen.com) for specific Limited Use Label Licenses). By use of this service, you accept the terms and conditions of all applicable Limited Use Label Licenses. This service is performed for research use only.

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