



## ProtoArray® Methyltransferase Substrate Identification Assay

### Scope of Services

The Invitrogen business of Life Technologies Corporation (“Invitrogen”) will profile a specified number of methyltransferase(s) of interest in an *in vitro* Methyltransferase Substrate Identification (MSI) assay 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® MSI assay for this project.

### **Service includes:**

1. Characterization of methyltransferase substrates on ProtoArray® Human Protein Microarrays v5.0 (containing more than 9,000 unique proteins spotted in duplicate) in an *in vitro* methyltransferase assay.
2. Controls and samples as listed below—this service includes six (6) ProtoArray® microarrays in total.
3. Probing of ProtoArrays® v5.0 at two (2) methyltransferase concentrations (10 ng/μl and 50 ng/μl, unless otherwise specified by Client), in duplicate, and one (1) concentration of <sup>3</sup>H-SAM (20 nCi/μl, 1.6 μM).
4. Probing of one (1) ProtoArray® v5.0 with <sup>3</sup>H-SAM only as a negative control.
5. Probing of one (1) ProtoArray® v5.0 with PRMT1 (50 ng/ul) and <sup>3</sup>H-SAM.

### *Notes:*

- a. *When multiple methyltransferases are tested simultaneously, only one positive and negative control will be performed.*
- b. *Invitrogen does not guarantee that any interactions of the methyltransferase of interest will be observed on the array or that observed interactions are specific to the methyltransferase of interest.*

### **Service does not include:**

1. Shipment of a ProtoArray® microarray.
2. Methyltransferase(s).
3. Inhibitor compounds.
4. Assay using inhibitor compounds.

**Timeline:** 4 to 6 weeks upon initiation of service project.

### **Client provides:**

1. Methyltransferase (at least two aliquots of 20 μl at 1.0 mg/ml).
2. Signed Quotation and related Purchase Order.
3. Project Initiation Sheet

### **Invitrogen delivers:**

1. Comprehensive project report that includes all data of candidate methyltransferase substrates and results of the positive and negative controls for the ProtoArray® Methyltransferase Substrate Identification Assay.
2. Image files and raw data.



## ProtoArray<sup>®</sup> Methyltransferase Substrate Identification Assay

### Ordering information:

Service Description	Catalog Number
ProtoArray <sup>®</sup> Methyltransferase Substrate Identification Service	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 timeline may be extended for orders of >3 methyltransferases.

### Project management:

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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