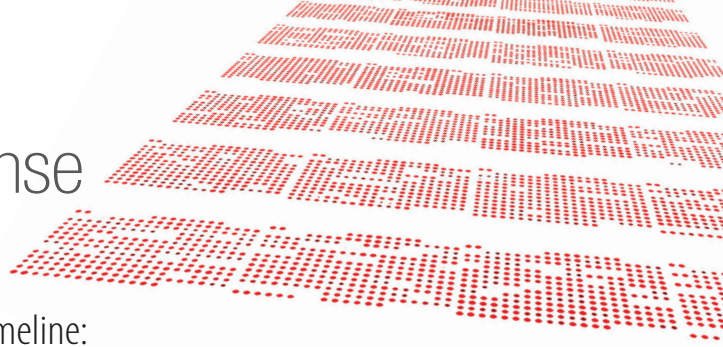


ProtoArray[®] Immune Response Biomarker Profiling



Scope of services

Invitrogen, part of Life Technologies Corporation (“Invitrogen”), will profile a specified number of sera of interest in an *in vitro* Immune Response Biomarker Profiling (IRBP) 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 the ProtoArray[®] IRBP service Invitrogen will supply 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) identified from profiling with the sera provided.
2. Controls and samples as listed below—this service includes N+1 ProtoArray[®] microarrays in total, where N is equal to the number of serum samples submitted.
3. Probing of one (1) ProtoArray[®] Human Protein Microarray v5.0 with each serum sample provided and detection of bound IgG, IgA, or IgM with a fluorescently labeled anti-IgG, anti-IgA, or anti-IgM detection reagent.
4. For IgG detection, sera will be profiled at a 1:500 dilution. For IgA and IgM detection, sera will be profiled at a 1:250 dilution.
5. Probing of one (1) ProtoArray[®] v5.0 array using detection reagent only as a negative control for each set of ≤80 serum samples submitted.

Note: When ≤80 serum samples are profiled simultaneously, only one negative control will be performed.

Ordering information

Service description

ProtoArray[®] Immune Response Biomarker Profiling Service

Cat. No.

SPS5102A and SPS5102B

Timeline:

4 to 6 weeks upon initiation of service project.

Client provides:

1. Serum (≥20 μL/sample)
 - Shipping: Serum may be shipped as liquid on blue ice or frozen on dry ice. It is imperative that all samples be treated in an identical fashion prior to shipping in order to maximize data quality.
 - Sample acquisition: Serum samples must be obtained and labeled according to the guidelines set forth in the “Certification Statement Regarding Human Serum Samples Used for Research and/or Educational Purposes”. This document must be completed, signed, and included with the serum shipment prior to initiation of the project.
2. Signed quote and related purchase order

Invitrogen delivers:

1. Comprehensive project report that includes all data of positive interactions. Report may be customized to show pairwise sample populations, for example, interacting proteins observed in disease samples vs. normal samples, in treated vs. untreated samples, or in early vs. late-stage disease samples.
2. Image files and raw data.

Invitrogen does not guarantee that any interactions of the sera of interest will be observed on the array or that observed interactions are specific to the sera of interest.

Timeline:

Upon receipt of all of the following: (i) the Quotation signed by Client; (ii) the Purchase Order related to the 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 ≥ 50 sera.

Project management (PM):

The Invitrogen project management team will be overseeing the work on this project and will keep the Client 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 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.

PM Contact Information:

Invitrogen Custom Services
Invitrogen, part of Life Technologies Corporation
Phone: 800 955 6288 (press option 3) x45682
Fax: 716 774 3157
Email: custom.services@invitrogen.com

Certification Statement Regarding Human Serum Samples Used for Research and/or Educational Purposes

With respect to the sale or transfer of human serum samples for research or educational purposes by _____ ("Serum Supplier") to Invitrogen, Serum Supplier certifies as follows:

- All individually identifiable health information, as defined under applicable State and Federal laws and regulations (including, without limitation, the provisions of the Health Insurance Portability and Accountability Act ("HIPAA")) has been removed from the serum samples and from any reports or other documents provided to Invitrogen in association with these samples.
- All serum samples were obtained pursuant to the fully informed written consent of the patient (or their legal representative or guardian), including consent for any applicable medical testing of the samples (e.g., HIV or hepatitis testing) and consent to the use by, and/or sale or re-sale of the sample(s) to, unidentified third parties for research, education, and/or commercialization purposes.
- All serum samples were obtained in compliance with a research protocol approved by an Institutional Review Board ("IRB") if such IRB approval was required for collection or use of the serum for research purposes.
- All serum samples were obtained and are being sold or transferred by Serum Supplier to Invitrogen in compliance with all applicable State and Federal laws.

I certify on behalf of _____ ("Serum Supplier") that the foregoing statements are true and accurate with respect to all human serum samples sold, transferred, or otherwise supplied to Invitrogen by _____.

Signature _____ Title _____ Date _____



www.invitrogen.com

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