

## **Complete Antibody Array Assay Service**

Sample Submission Guide



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**SAMPLE QUANTITY**

For each sample you wish to assay, please provide cell or tissue lysates with 400 ug or more total protein at a minimum of 2ug/uL. Acceptable lysis buffers include Full Moon BioSystems’ [Protein Extraction Buffer](#) (Cat #: EXB050), RIPA Buffer from Pierce, or other buffers suggested by commonly used lysis protocols. The use of Tris and detergents should be avoided or limited. No more than 50mM of Tris, 0.1% SDS, or 1% non-ionic detergents should be present in the sample. If you have any questions regarding the compatibility of the lysis buffer you plan to use, please contact us to prevent any inference with the arrays. Commonly used protease and/or phosphatase inhibitors (including Roche’s inhibitor cocktail) may be added to lysis buffer to preserve the proteins. The proteins in the sample should remain in their native structure (not denatured).

Other than lysates, you may also submit samples in the following formats:

- 5 million cells in frozen pellets (wash the cells with PBS three times prior to freezing)
- 75 mg of frozen tissues

All samples must be frozen and shipped on dry ice.

**PACKAGING**

All samples (cell pellets, tissues or protein extracts) should be stored and sent in tubes with screw caps. Mark each tube with clear identifications.

**All samples must be shipped on dry ice.**

Preparing Dry Ice Shipment – Please contact your carrier for detailed packaging and shipping guidelines.

A dry ice shipping container includes a Styrofoam insulating liner and a heavy cardboard outer container for overall protection. The inner container should have insulated walls at least 1.25 inches (30mm) thick.



Shipping with dry ice is potentially dangerous, including explosion, suffocation and contact hazards. Packages must allow for release of carbon dioxide gas. The dry ice must not be sealed in a container with an airtight seal. The outer shipping container must be clearly labeled with a hazard class 9 label, UN 1845 on the vertical side of the container and must display the weight of the dry ice in kilograms.

Dry ice will sublimate from a solid to a gas at a rate of 5-10 pounds per 24 hours when shipped in an insulated cooler with lid. Therefore, when using dry ice for shipping, it is important add sufficient amount of dry ice to maintain the proper temperature throughout the entire transit time of the shipment.

Carefully pack your samples in the Styrofoam insulated container. Add dry ice. Close the lid.. Place the insulated container inside the outer container; close and seal with packaging tapes. Clearly mark “Perishable” on the outside of the package.

**SHIPPING**

Send the package to any carrier that accepts dry ice shipments. Be sure to drop it off before the carrier’s daily cut-off time to minimize shipment’s transit time.

Delivery address:

Attn: Antibody Array Services  
Full Moon BioSystems, Inc.  
754 North Pastoria Avenue  
Sunnyvale, CA 94085  
U.S.A.  
Phone: 408.737.1702  
Email: support@fullmoonbiosystems.com



To ensure your samples arrive at our facility in good order, use the following services to ship your package:

- Shipments originating in North America – Ship on any day from Monday to Wednesday. Do not ship on a Thursday or Friday.
  - o FedEx: Priority Overnight or Standard Overnight
  - o UPS: Next Day Air or Next Day Air Saver
- Shipments originating outside of North America – The best day to ship is on a Monday to ensure arrival in the US for delivery later the same week.
  - o FedEx: International Priority
  - o UPS: Worldwide Express or Worldwide Express Saver

## FORMS REQUIRED

All shipments must contain the following forms:

- Sample Submission Form, <http://fullmoonbio.com/Services/SampleSubmissionForm.doc>
- Airway Bill

Additional Forms for International Shipments:

- Commercial Invoice – 3 copies
  - o Since the samples are not for resale, the value of your shipment should be priced at approximately \$1.00 per sample in order to avoid paying additional duties and taxes on entry into the US.
- Non-hazardous Declaration
  - o Provide your detailed contact information in the document.
  - o Provide a detailed description and quantity (uL or mg) of the materials included in the package
- Negative certification of the Toxic Substance Control Act (TSCA) Certification

## PACKAGE TRACKING

As soon as you ship the package, email your shipment tracking number to your contact person at Full Moon BioSystems or to [support@fullmoonbiosystems.com](mailto:support@fullmoonbiosystems.com).