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## Technical Data Sheet

### For research use only

Not intended or approved for  
diagnostic or therapeutic use.

# Membrane Lipid Arrays™

**Product Number: P-6003**

### Product Description:

Membrane Lipid Arrays™ are 4 x 5 cm hydrophobic membranes that have been spotted with a concentration gradient of eight different lipids. These membranes can be used to determine lipid-protein interactions, through a simple protein-lipid overlay experiment. This allows researchers a convenient way to determine if their protein of interest interacts with one or more of the bound lipids.

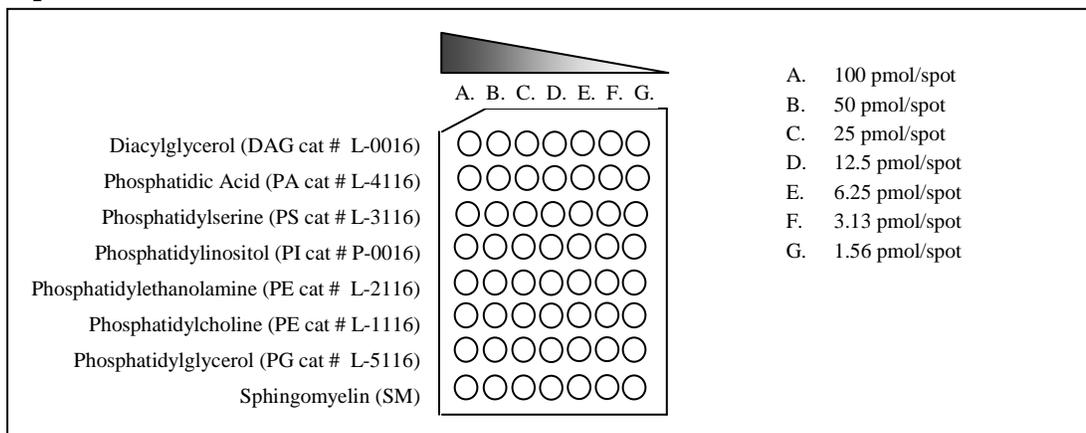
### Storage:

Store at 2-8 °C. Product is moisture and light sensitive.

### Format:

The membrane has a diagonal cut on its top left corner and Ponceau S staining (pink) was added to the lipid spots to assist in orientation of the array. See template below for location of lipids. All of the lipids are long chain (> diC16) highly pure synthetic analogs. For more information, on the lipids spotted on the membrane, please visit our website and search the catalog numbers provided in the figure below.

### Membrane Template:



\*Final concentration of 0.1% (v/v) Ponceau S was added for accuracy during spotting.

### Suggested Usage:

Visit our website [www.echelon-inc.com](http://www.echelon-inc.com). At the bottom of the each product's webpage is our general Protocol "Protocol\_Strip\_Array" for use with product numbers: P-6001, P-6100, P-6002, P-6003, S-6000, and S-6001. Also please refer to our FAQ "Frequently Asked Questions" document.

### References:

1. Dowler S, Currie RA, Downes PC, Alessi DR. DAPP1: a dual adaptor for phosphotyrosine and 3-phosphoinositides. *Biochemical Society J.* 342, 7-12 (1999)
2. Dowler, S., Kular, G., and Alessi, R.D., Protein lipid overlay assay, *Sci STKE*, 2002. April 23; 2002 (129). p16.
3. Dibble CF, Horst JA, Malone MH, Park K, Temple B, Cheeseman H, Barbaro JR, Johnson GL, Bencharit S. Defining the functional domain or programmed cell death 10 through its interactions with phosphatidylinositol-3,4,5-triphosphate. *PLoS One.* 2012 Jul 23;5(7):e11740.

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