

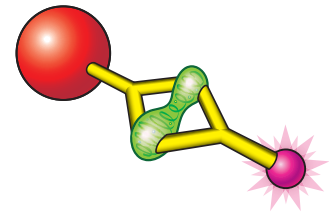
# MAGPIX® Reagents: Protein Assays the xMAP® Way

## Fitting Your Every Research Lab Need with Flexible Multiplexing Solutions

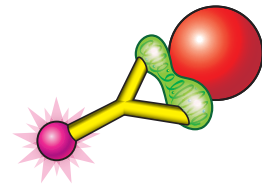
MAGPIX® is based on the versatile xMAP Technology allowing you to perform all your protein and genomic assays on a single platform.

xMAP Technology provides the tools to answer the questions you have. Luminex partners have pre-built assay kits to fit your needs. Luminex also provides you the same xMAP reagents to build your own multiplex assay.

xMAP Reagents all begin with the same microspheres, which are then dyed with a combination of dyes at different concentrations that the MAGPIX® can detect and decipher giving you the power to multiplex up to 50 analytes with only one sample.



Capture Sandwich Assay



Serology Assay

## xMAP Reagents: Your Multiplexing Solution

- Saves precious samples
- Saves time
- Saves on expensive reagents
- Gets results quicker

### The Old Way vs. The xMAP Way

#### Western Blot

- ~10 samples/ gel → 96 samples/ plate
- 1 protein/ gel → up to 50 proteins/ plate
- ~10 results/ gel → up to 4,800 results/ plate

#### xMAP Assay

#### ELISA

- 1 protein/ plate → up to 50 proteins/ plate
- 96 samples/ plate → 96 samples/ plate
- 96 results/ plate → up to 4,800 results/ plate

#### xMAP Assay

#### Capture Sandwich Assay

- Use MagPlex® Microspheres
- Couple small amount of antibodies to different bead regions
- Multiplex assay with 1 sample per well

#### Serology Assay

- Use MagPlex Microspheres
- Couple small amount of antigens to different bead regions
- Multiplex assay with 1 sample per well

#### Competitive Assay

- Use MagPlex microspheres
- Couple antigens or antibodies to different bead regions
- Good for small proteins & proteins with few epitopes

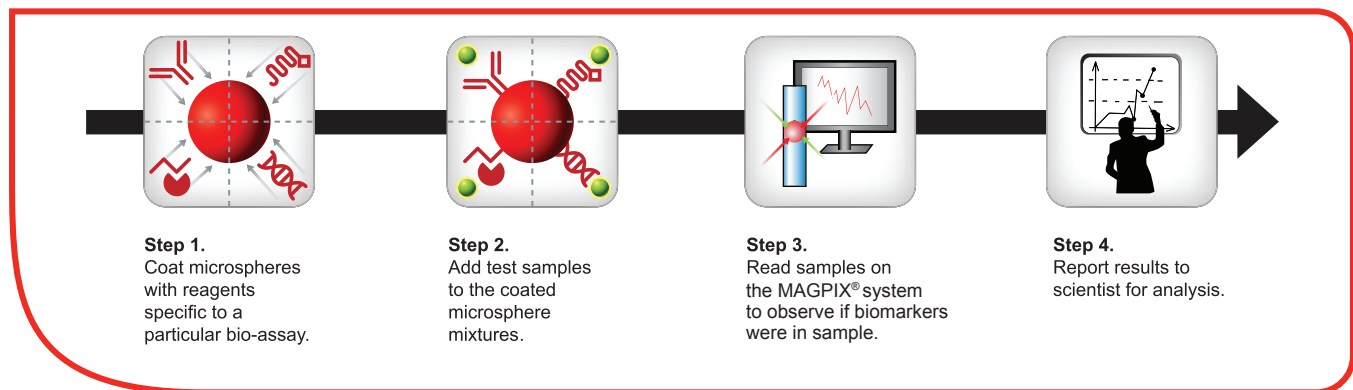
#### Peptide Assay

- Use MagPlex microspheres with carrier protein

## Solutions you can rely on

Since its incorporation in 1995, Luminex has become a global leader in multiplexing solutions. Only Luminex offers the peace of mind that comes from:

- Approximately 7,000 instruments placed worldwide
- Over 3,000 peer reviewed articles
- 57 510(k) clearances using xMAP Technology
- Over 60 strategic partners worldwide with thousands of assay applications
- 91 patents issued and 218 pending as of June 2010



To start your custom assay development today go to our website at [www.luminexcorp.com](http://www.luminexcorp.com).

At Support / FAQ you will find:

- Protocols
- Reagents
- Equipment

At Support / Publications you will find:

- A searchable database with over 3,000 publications with xMAP Technology

### Luminex Support Services

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EMEA and India: +31.162.408.333  
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### Training Courses

For more information or to schedule training courses, please call Luminex Services & Training Sales at: +1.512.381.4386 or +1.512.381.3259  
or visit online at: [www.xmapuniversity.com](http://www.xmapuniversity.com)

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