

Immunoassays & MILLIPLEX[®] MAP Kits

The #1 Best Seller
for Multiplexing using Luminex[®] technology

Analyte Quarterly Q2 2012

Bone Metabolism • Cancer • Cardiovascular Disease
Cell Signaling • Cellular Metabolism
Inflammation/Immunology • Metabolism
Neuroscience • Stem Cells • Toxicity



The Latest in Multiplexing

Discover the Latest in Innovative and Unique Assay Kits, Instruments and Services

MILLIPLEX[®] MAP Multiplex Immunoassay Kits

Magnetic Bead Format

| Kit | Species | Catalogue No. |
|--|-----------|-----------------|
| Adipokine Panel 1 | Human | HADK1MAG-61K |
| Adipokine Panel 2 | Human | HADK2MAG-61K |
| Adipocyte | Human | HADCYMAG-61K |
| High Sensitivity Cytokine / Chemokine Premix | Human | HSCYMAG60SPMX13 |
| Phospho Mitogenesis RTK | Human | 48-672MAG |
| Total Mitogenesis RTK | Human | 48-671MAG |
| TGFβ Signaling | Human | 48-614MAG |
| Neurological Disorders Panel 1 | Human | HND1MAG-39K |
| Neurological Disorders Panel 2 | Human | HND2MAG-39K |
| Drug Metabolism | Human | HDMMAG-19K |
| Oxidative Phosphorylation | Rat/Mouse | RMOXPSMAG-17K |
| Oxidative Stress | Human | HOXSTMAG-18K |

ELISA Kits

- Cytokine ELISAs – Coming Soon!
- 10-Pack Format – Now Available for Select Kits! (See page 2)

MAGPIX[®] Instrument

- Multiplex analyte detection system (See page 20)

Services

- SignalProfiler™ Services (See page 17)
- Biomarker Services (See back cover)

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www.millipore.com/AQ



ELISAs & RIAs

EMD Millipore provides an unparalleled level of peer support—scientists working with scientists—to provide you with the quality tools and services you need to do your best work. With a wide range of ELISAs and RIAs, we advance your research in

many research areas including metabolic disease (diabetes, obesity, cardiovascular), inflammation, immunology, neuroscience, oncology and cell signaling. Plus, some of our most popular ELISAs are available a 10-pack format.

Cytokine ELISAs

| Kit | Species | Catalogue No. |
|--------------|---------|---------------|
| IL-2 | Human | Coming Soon* |
| IL-2 | Mouse | Coming Soon* |
| IL-4 | Human | Coming Soon* |
| IL-4 | Mouse | Coming Soon* |
| IL-6 | Human | Coming Soon* |
| IL-6 | Mouse | Coming Soon* |
| IL-10 | Human | Coming Soon* |
| IL-10 | Mouse | Coming Soon* |
| TNF α | Human | Coming Soon* |
| TNF α | Mouse | Coming Soon* |

Neuroscience ELISAs

| Kit | Species | Catalogue No. |
|--|---------------------|---------------|
| α -Synuclein | Human/ Rat/Mouse | NS400 |
| Amyloid Beta, 1-40 | Human | EZHS40 |
| Amyloid Beta, 1-42 | Human | EZHS42 |
| Amyloid Beta, SET | Human | EZHS-SET |
| Amyloid Beta (Brain), 1-40 | Human | EZBRAIN40 |
| Amyloid Beta (Brain), 1-42 | Human | EZBRAIN42 |
| Amyloid Beta (Brain), SET | Human | EZBRAIN-SET |
| Brain Derived Neurotrophic Factor (ChemiKine™) | Human/ Rat | CYT306 |

* Coming Soon

Neuroscience ELISAs

| Kit | Species | Catalogue No. |
|--|-------------------------|---------------|
| Glial fibrillary acidic protein (GFAP) | Human/ Rat/ Mouse | NS830 |
| Nerve Growth Factor (ChemiKine™) | Rat/Mouse | CYT304 |
| Neuropeptide S (NPS) | Human | EZHNP-34K |
| Neuropeptide Y (NPY) | Human | EZHNPY-25K |
| Neuropeptide Y (NPY) | Rat/Mouse | EZRMNPY-27K |
| Nitrotyrosine | Multi-species | 17-376 |
| Phosphorylated Neurofilament (pNF-H) | Multi-species | NS170 |
| Pigment Epithelium Derived Factor (ChemiKine™) | Human | CYT420 |
| S100B | Human | EZHS100B-33K |
| SAA-3 | Mouse | EZMSAA3-12K |
| sICAM-1 | Human | ECM335 |
| sVCAM-1 | Human | ECM340 |

ELISA – Cell-based Assays Dual Detect CELISAs™

| Description | Catalogue No. |
|-----------------|---------------|
| ErbB2 (Tyr1248) | 17-490 |
| H2A.X (Ser139) | 17-720 |

ELISA – Circulating Biomarkers

| Kit | Species | Catalogue No. |
|---|--------------|---|
| Adiponectin 10-Pack | Human | EZHADP-61K NEW! EZHADP-61BK |
| Adiponectin 10-Pack | Mouse | EZMADP-60K NEW! EZMADP-60BK |
| Adiponectin | Rat | EZRADP-62K |
| Adiponectin | Canine | EZCADP63K |
| Adiponectin – High Molecular Weight 10-Pack | Human | EZHMQA-64K NEW! EZHMWA-64BK |
| Adipsin | Mouse | EZMADPSN-22 |
| AGF (ANGPTL6) | Human | EZHAGF-28K |
| Amylin (active)* 10-Pack | Human | EZHA-52K NEW! EZHA-52BK |
| Amylin (total)* | Human | EZHAT-51K |
| Apo AIV | Human | EZHAP0A4-73K |
| Apo AV | Human | EZHAP0AV71K |
| BDNF | Human/Rat | CYT306 |
| Chemerin | Human | EZHCMRN-57K |
| C-Peptide 10-Pack | Human | EZHCP-20K NEW! EZHCP-20BK |
| C-Peptide 2 | Rat/Mouse | EZRMCP2-21K |
| CRP | Human | CYT298 |
| CRP | Rat | CYT294 |
| CRP | Canine | CYT296 |
| FGF-21 | Human | EZHFGF21-19K |
| FGF-21 | Rat/Mouse | EZRMFGF21-26K |
| FGF-23 10-Pack | Human | EZHFGF23-32K NEW! EZHFGF23-32BK |
| FGF-23 | Rat | EZRFGF23-42K |
| FGF-23 | Mouse | EZMFGF23-43K |
| Fibronectin (Quantimatrix) | Human | ECM300 |
| Ghrelin (active) 10-Pack | Human | EZGRA-88K NEW! EZGRA-88BK |
| Ghrelin (active) | Rat/Mouse | EZRGRA-90K |
| Ghrelin (total) 10-Pack | Human | EZGRT-89K NEW! EZGRT-89BK |
| Ghrelin (total) | Rat | EZRGRT-91K |
| GIP (total) 10-Pack | Human | EZHGIP-54K NEW! EZHGIP-54BK |
| GIP (total) 10-Pack | Rat/Mouse | EZRMGIP-55K NEW! EZRMGIP-55BK |
| GLP-1 (active)* 10-Pack | Multispecies | EGLP-35K NEW! EGLP-35BK |
| GLP-1 High Sensitivity (active) | Multispecies | Coming Soon* |
| GLP-1 (total) 10-Pack | Multispecies | EZGLP1T-36K NEW! EZGLP1T-36BK |
| GLP-2 (total) | Human/Rat | EZGLP2-37K |

* Coming Soon

• Solid Plate Format

† C.U.S. Patent #: 5,541,066; 5,780,240

▪ Requires Sample Extraction

| Kit | Species | Catalogue No. |
|---|---------------------|--|
| Glucagon * | Human/Rat/ Mouse | Coming Soon* |
| 10-Pack | | Coming Soon* |
| Growth Hormone 10-Pack | Rat/Mouse | NEW! EZRMGH-45K EZRMGH-45BK |
| IFN α | Human | Cyt271 |
| Insulin 10-Pack | Human | NEW! EZHI-14K EZHI-14BK |
| Insulin 10-Pack | Rat/Mouse | NEW! EZRMI-13K EZRMI-13BK |
| Insulin (Animal Serum Free) | Human | EZHIASF-14K |
| Laminin | Human | ECM310 |
| Leptin Dual Range 10-Pack | Human | NEW! EZHL-80SK EZHL-80BK |
| Leptin 10-Pack | Mouse | NEW! EZML-82K EZML-82BK |
| Leptin 10-Pack | Rat | NEW! EZRL-83K EZRL-83BK |
| Leptin | Canine | EZCL-31K |
| Nerve Growth Factor (ChemiKine™) | Rat/Mouse | CYT304 |
| Omentin-1 | Human | EZHOMNTN1-29K |
| Pancreatic Polypeptide 10-Pack | Human | NEW! EZHPP40K EZHPP-40BK |
| PEDF (ChemiKine™) | Human | CYT420 |
| Procollagen Type IIA – N-Propeptide (PIANP)† | Human | EZPIIANP-53K |
| Proinsulin (Intact) | Human | EZHIPI-17K |
| Proinsulin (total) 10-Pack | Human | NEW! EZHPI-15K EZHPI-15BK |
| PYY (total) 10-Pack | Human | NEW! EZHPYYT66K EZHPYYT-66BK |
| RBP4 | Human | EZHRBP4-18K |
| Resistin 10-Pack | Human | NEW! EZHR-95K EZHR-95BK |
| sCD26 | Human | ECM345 |
| sE-Selectin | Human | ECM330 |
| sICAM-2 | Human | ECM346 |
| sICAM-3 | Human | ECM337 |
| sL-Selectin | Human | ECM331 |

ELISA – Other Assays

EZ-Transcription Factor

| Description | Colorimetric Catalogue No. | Chemiluminescent Catalogue No. |
|----------------------------------|----------------------------|--------------------------------|
| AP-1 Family | 70-550 | 70-650 |
| c-Fos | 70-545 | 70-645 |
| c-Jun | 70-540 | 70-640 |
| ErbB2 (Tyr1248) | 17-490 | |
| HDAC | 17-374 | |
| Jun/Fos | 70-546 | 70-646 |
| NFκB Family | 70-560 | 70-660 |
| NFκB p50 | 70-515 | 70-615 |
| NFκB p50/p65 | 70-510 | 70-610 |
| NFκB p65 | 70-520 | 70-620 |
| PI3 Kinase Activity/Inhibitor | 17-493 | |
| PhosphaFluor HTS OmniPhosphatase | 17-448 | |
| Ras Activation | 17-497 | |
| ssDNA Apoptosis | APT225 | |
| Universal TF | 70-501 | 70-601 |

ELISA – Other Assays

Extracellular Matrix

| Kit | Species | Catalogue No. |
|-------------|---------|---------------|
| Fibronectin | Human | ECM300 |
| sCD26 | Human | ECM345 |
| sE-Selectin | Human | ECM330 |
| sICAM-1 | Human | ECM335 |
| sVCAM-1 | Human | ECM340 |

ELISA – Cell Signaling / Intracellular Star ELISAs

| Description | Catalogue No. |
|--------------------------------------|---------------|
| AKT1 (total) | 17-455 |
| EGFR (total) | 17-460 |
| Erk 1/2 (total) | 17-463 |
| FAK (total) | 17-479 |
| Insulin Receptor (β subunit) (total) | 17-483 |
| IκB (total) | 17-485 |
| JNK 1/2 (total) | 17-465 |
| MEK1 (total) | 17-473 |
| Met (total) | 17-469 |
| p38α (total) | 17-487 |
| PRAS40 (total) | 17-477 |
| Src (total) | 17-467 |
| phospho-Akt (Ser473) | 17-457 |
| phospho-Akt (Thr308) | 17-456 |
| phospho-EGFR (Tyr1068) | 17-462 |

Star ELISAs, continued

| Description | Catalogue No. |
|--|---------------|
| phospho-EGFR (Tyr1173) | 17-461 |
| phospho-FAK (Tyr397) | 17-480 |
| phospho-IR (β Subunit) (Tyr 1162/1163) | 17-484 |
| phospho-IRS1 (Ser307 mouse/Ser312 Human) | 17-459 |
| phospho-IκB (Ser32) | 17-486 |
| phospho-JNK 1/2 (Thr183/Tyr185) | 17-466 |
| phospho-MEK1 (Ser218/222) | 17-474 |
| phospho-MET (Tyr1230/Tyr1234/Tyr1235) | 17-470 |
| phospho-p38α (Thr180/Tyr182) | 17-488 |
| phospho-p53 (Ser15) | 17-475 |
| phospho-PRAS40 (Thr246) | 17-478 |

RIA

| Kit | Species | Catalogue No. |
|-------------------------|---------------|---------------|
| Adiponectin | Human | HADP-61HK |
| Adiponectin | Mouse | MADP-60HK |
| C-Peptide | Human | HCP-20K |
| C-Peptide | Rat | RCP-21K |
| C-Peptide | Canine | CCP-24HK |
| C-Peptide | Porcine | PCP-22K |
| Ghrelin (active) | Human | GHRA-88HK |
| Ghrelin (total) | Human | GHRT-89HK |
| GLP-1 (active) | Multi-species | GLP1A-35HK |
| GLP-1 (total) | Multi-species | GLP1T-36HK |
| Glucagon | Multi-species | GL-32K |
| Insulin | Rat | RI-13K |
| Insulin | Porcine | PI-12K |
| Insulin Lispro | | LPI-16K |
| Insulin Specific | Human | HI-14K |
| Insulin Ultra Sensitive | Human | HI-11K |
| Insulin | Rat | SRI-13K |
| Leptin | Human | HL-81K |
| Leptin | Mouse | ML-82K |
| Leptin | Rat | RL-83K |
| Leptin | Multi-species | XL-85K |
| Proinsulin | Human | HPI-15K |
| PYY | Rat/Mouse | RMPYY-68HK |
| PYY (3-36) Specific | Human | PYY-67HK |
| PYY (total) | Human | PYYT-66HK |

MILLIPIX[®] MAP

Your Source for Simultaneous Multi-Analyte Detection— the Voice of Luminex[®] xMAP[®] Technology

- The broadest selection of analytes across a wide range of disease states, including metabolic disease, inflammation, neurodegenerative disease, toxicity, cancer and more.
- All the components and reagents you need to detect multiple analytes simultaneously in a small sample size (10-50 μ L) – all in a single kit, using a single catalogue number.
- Available in both magnetic and non-magnetic bead format. Magnetic polystyrene beads contain encapsulated magnetite with bead surface chemistries that are comparable to nonmagnetic beads. New magnetic bead panels will be introduced into our portfolio each quarter!
- Select a premixed kit or choose analytes within a panel to design a custom kit.
- Quality controls provided to qualify assay performance.
- Analytically validated panels that yield consistent analyte profiles irrespective of plex size.
- Standardized standard curve ranges across analytes and lots to ensure lot-to-lot consistency.
- Panels meet stringent manufacturing criteria to ensure batch-to-batch reproducibility.
- Environmentally friendly packaging: our boxes are 100% recyclable to reduce ecological footprints.
- Consolidated packaging available for larger orders to reduce storage needs.



Metabolism

Human Metabolic Hormone

(Cat. No. HMMHAG-34K) 

| | |
|------------------------------|------------------------|
| Amylin (active) [†] | Insulin |
| Amylin (total) [†] | Leptin |
| C-Peptide | MCP-1 |
| Ghrelin (active) % | Pancreatic Polypeptide |
| GIP (total) | PYY (total) |
| GLP-1 (active) | TNF α |
| Glucagon | |
| IL-6 | |

Mouse Metabolic Hormone

(Cat. No. MMHAG-44K) 

| | |
|--------------------|------------------------|
| Amylin (active) | Leptin |
| C-Peptide 2 | MCP-1 |
| Ghrelin (active) % | Pancreatic Polypeptide |
| GIP (total) | PYY (total) |
| GLP-1 (active) | Resistin |
| Glucagon | TNF α |
| IL-6 | |
| Insulin | |

Rat Metabolic Hormone

(Cat. No. RMHAG-84K) 

| | |
|--------------------|------------------------|
| Amylin (active) | Insulin |
| C-Peptide 2 | Leptin |
| Ghrelin (active) % | MCP-1 |
| GIP (total) | Pancreatic Polypeptide |
| GLP-1 (active) | PYY (total) |
| Glucagon | TNF α |
| IL-6 | |

Non-Human Primate Metabolic Hormone

(Cat. No. NHPMHAG-45K) 

| | |
|--------------------|------------------------|
| Amylin (active) | Insulin |
| C-Peptide | Leptin |
| Ghrelin (active) % | MCP-1 |
| GIP (total) | Pancreatic Polypeptide |
| GLP-1 (active) | PYY (total) |
| Glucagon | TNF α |
| IL-6 | |

Human Adipokine Panel 1

Serum/Plasma Samples

(Cat. No. HADK1MAG-61K)  

| | |
|------------------|---------------|
| Adiponectin | PAI-1 (total) |
| Adipsin | Resistin |
| Lipocalin-2/NGAL | |

Human Adipokine Panel 2

Serum/Plasma Samples

(Cat. No. HADK2MAG-61K)  

| | |
|--------------|--------------|
| Chemerin | Leptin |
| HGF | MCP-1 |
| IL-1 β | NGF |
| IL-6 | Omentin-1* |
| IL-8 | TNF α |
| Insulin | |

Mouse Adipokine

Serum/plasma samples

(Cat. No. MADPK-71K)

| | |
|---------|---------------|
| IL-6 | PAI-1 (total) |
| Insulin | Resistin |
| Leptin | TNF α |
| MCP-1 | |

Rat Adipokine

Serum/plasma samples

(Cat. No. RADPK-81K)

| | |
|--------------|-----------------------------|
| IL-1 β | MCP-1 |
| IL-6 | PAI-1 (active) [†] |
| Insulin | PAI-1 (total) [†] |
| Leptin | TNF α |

Human Adipocyte

Cell Culture Samples

(Cat. No. HADCYMAG-61K)  

| | |
|--------------|---------------|
| Adiponectin | MCP-1 |
| HGF | NGF |
| IL-1 β | PAI-1 (total) |
| IL-6 | Resistin |
| IL-8 | TNF α |
| Leptin | |

Mouse Adipocyte

Cell culture samples

(Cat. No. MADPCYT-72K)

| | |
|-------------|---------------|
| Adiponectin | PAI-1 (total) |
| IL-6 | Resistin |
| Leptin | TNF α |
| MCP-1 | |

- Call for Availability

% Requires a protease inhibitor during sample collection

-  Magnetic Bead Format

† Cannot beplexed together:

- 1) Amylin (active) and Amylin (total)
- 2) PAI-1 (active) and PAI-1 (total)

Rat Adipocyte

Cell culture samples

(Cat. No. RADPCYT-82K)

| | |
|--------------|-----------------------------|
| Adiponectin | MCP-1 |
| IL-1 β | PAI-1 (active) [†] |
| IL-6 | PAI-1 (total) [†] |
| Leptin | TNF α |

Human Liver Protein

(Cat. No. HLPPMAG-57K) 

| | |
|---------|--------|
| AFP | FGF-19 |
| ANGPTL3 | FGF-21 |
| ANGPTL4 | FGF-23 |
| ANGPTL6 | HGF |
| FABP1 | |

Human Gut Hormone

(Cat. No. HGT-68K)

| | |
|------------------------------|------------------------|
| Amylin (active) [†] | Insulin |
| Amylin (total) [†] | Leptin |
| Ghrelin (active) % | Pancreatic Polypeptide |
| GIP (total) | PYY (total) |
| GLP-1 (active) | |

Mouse Gut Hormone

(Cat. No. MGT-78K)

| | |
|--------------------|------------------------|
| Amylin (active) | Leptin |
| Ghrelin (active) % | Pancreatic Polypeptide |
| GIP (total) | PYY (total) |
| GLP-1 (active) | |
| Insulin | |

Rat Gut Hormone

(Cat. No. RGT-88K)

| | |
|--------------------|------------------------|
| Amylin (active) | Leptin |
| Ghrelin (active) % | Pancreatic Polypeptide |
| GIP (total) | PYY (total) |
| GLP-1 (active) | |
| Insulin | |

Canine Gut Hormone

(Cat. No. CGTMAG-98K) 

| | |
|--------------------|------------------------|
| Amylin (total) | Insulin |
| Ghrelin (active) % | Leptin |
| GIP (total) | Pancreatic Polypeptide |
| GLP-1 (active) | PYY (total) |
| Glucagon | |

Metabolism

Human Pituitary Panel 1

(Cat. No. HPTP1MAG-66K) 

| | |
|------|-----|
| ACTH | GH |
| AGRP | LH |
| CNTF | TSH |
| FSH | |

Human Pituitary Panel 2

(Cat. No. HPTP2MAG-66K) 

| | |
|------|-----------|
| BDNF | Prolactin |
|------|-----------|

Non-Human Primate Pituitary Panel 1

(Cat. No. NHPPT1MG-46K) 

| | |
|------|-----|
| ACTH | GH |
| AGRP | LH |
| CNTF | TSH |
| FSH | |

Non-Human Pituitary Panel 2

(Cat. No. NHPPT2MG-46K) 

| | |
|-----------|--|
| BDNF | |
| Prolactin | |

Rat Pituitary

(Cat. No. RPTMAG-86K) 

| | |
|------|-----------|
| ACTH | LH |
| BDNF | Prolactin |
| FSH | TSH |
| GH | |

Canine Pituitary

(Cat. No. CPTMAG-96K) 

| | |
|------|-----------|
| ACTH | LH |
| BDNF | Prolactin |
| FSH | TSH |
| GH | |

Rat Stress Hormone

(Cat. No. RSH69K)

| |
|----------------|
| ACTH |
| Corticosterone |
| Melatonin |

Multi Species Steroid/Thyroid Hormone

(Cat. No. STHMAG-21K) 

| | |
|--------------|---------------|
| Cortisol | T3 |
| Estradiol | T4 |
| Progesterone | Testosterone* |

Rat Thyroid Three Plex

(Cat. No. RTHY-30K-03) 

| | |
|----|-----|
| T3 | TSH |
| T4 | |

Rat Thyroid Two Plex

(Cat. No. RTHY-30K-T3T4) 

| |
|----|
| T3 |
| T4 |

Rat Thyroid Single Plex

(Cat. No. RTHY-30K-TSH)

| |
|-----|
| TSH |
|-----|

Human IGF Binding Protein

(Cat. No. HIGFBP-53K)



| | |
|--------|--------|
| IGFBP1 | IGFBP5 |
| IGFBP2 | IGFBP6 |
| IGFBP3 | IGFBP7 |
| IGFBP4 | |

Mouse IGF Binding Protein

(Cat. No. MIGFBPMAG-43K) 

| | |
|--------|--------|
| IGFBP1 | IGFBP5 |
| IGFBP2 | IGFBP6 |
| IGFBP3 | IGFBP7 |

Single Plex Kits

| | |
|---------------------|---|
| Adiponectin (Mouse) | IGF-1 (Human)**  |
| Adiponectin (Rat) | IGF-2 (Human)**  |
| IGF-1 (Mouse/Rat) | |
| IGF-1 (Human)* | |

Bone Metabolism

Human Bone Panel 1A

Serum/plasma samples

(Cat. No. HBN1A-51K)

MB Format Coming Soon* 

| | |
|---------|-------------|
| ACTH | Osteocalcin |
| Insulin | Osteopontin |
| Leptin | PTH |
| OPG | |

Human Bone Panel 1B

Tissue culture samples

(Cat. No. HBN1B-51K)

MB Format Coming Soon* 

| | |
|--------------|--------------|
| ACTH | OPG |
| Adiponectin | Osteocalcin |
| IL-1 β | Osteopontin |
| IL-6 | PTH |
| Insulin | TNF α |
| Leptin | |

Mouse Bone Panel 1A

Serum/plasma samples

(Cat. No. MBN1A-41K)

| | |
|---------|--------------|
| ACTH | Leptin |
| IL-6 | OPG |
| Insulin | TNF α |

Mouse Bone Panel 1B

Tissue culture samples

(Cat. No. MBN1B-41K)

| | |
|---------|--------------|
| ACTH | OPG |
| IL-6 | Osteocalcin |
| Insulin | TNF α |
| Leptin | |

Mouse Bone Panel 2A

Serum/plasma samples

(Cat. No. MBN2A-41K)

| | |
|---------|--------------|
| ACTH | Leptin |
| IL-6 | RANKL |
| Insulin | TNF α |

Mouse Bone Panel 2B

Tissue culture samples

(Cat. No. MBN2B-41K)

| | |
|---------|--------------|
| ACTH | Osteocalcin |
| IL-6 | RANKL |
| Insulin | TNF α |
| Leptin | |

Rat Bone Panel 1

(Cat. No. RBN1-31K)

| | |
|---------|--------|
| ACTH | Leptin |
| Insulin | OPG |

Rat Bone Panel 2

(Cat. No. RBN2-31K)

| | |
|---------|--------|
| ACTH | Leptin |
| Insulin | RANKL |

Rat Bone Panel 3

(Cat. No. RBN3-31K)

| | |
|-------------|-----|
| Osteocalcin | PTH |
| Osteopontin | |

Single Plex Bone Kits

| |
|---------------------------|
| OPG (Mouse, Rat) |
| Osteocalcin (Mouse, Rat) |
| RANKL (Human, Mouse, Rat) |

Cardiovascular

Human CVD1

(Cat. No. HCVD1-67AK)

| | |
|---------------|-------------|
| Adiponectin | sE-Selectin |
| MMP-9 | sICAM-1 |
| MPO | sVCAM-1 |
| PAI-1 (total) | |

Human CVD2

(Acute phase proteins)

(Cat. No. HCVD2-67BK)

| | |
|-----------------|-----------------|
| CRP | Serum Amyloid P |
| Serum Amyloid A | |

Human CVD3

(Cat. No. HCVD3-67CK)

| | |
|--------------|--------------|
| IFN γ | MCP-1 |
| IL-1 β | NT-proBNP |
| IL-6 | TNF α |
| IL-8 | VEGF |
| IL-10 | |

Human CVD Panel 1

MB Format Coming Soon*

| | |
|-------------------|--------------------------------|
| BNP | FABP3 |
| NT proBNP | FABP4 |
| CK-MB | LIGHT |
| CXCL6/GCP-2 | Oncostatin (OSM) |
| CXCL16 | Placental Growth Factor (PIGF) |
| Endocan-1 (ESM-1) | Troponin I (TnI) |

Human CVD Panel 2

(Cat. No. HCVD2MAG-67K) **NEW!**

| | |
|----------|------------------|
| ADAMTS13 | Myoglobin |
| FABP5 | Lipocalin-2/NGAL |
| GDF-15 | Serum Amyloid A |
| D-dimer | sVCAM-1 |
| sICAM-1 | sP-Selectin |
| MPO | |

Human CVD Panel 3

(Acute Phase)

(Cat. No. HCVD3MAG-67K) **NEW!**

| | |
|---------------------------|-------------------------|
| α -2-Macroglobulin | Haptoglobin |
| Adipsin | sL-Selectin |
| AGP | Platelet Factor 4 (PF4) |
| CRP | Serum Amyloid P |
| Fetuin A | von Willebrand Factor |
| Fibrinogen | |

Human CVD Panel 4

MB Format Coming Soon*

| |
|--------------------|
| sE-Selectin |
| Follistatin (FST) |
| dPAPP-A |
| Pecam-1 |
| Pentraxin-3 (PTX3) |
| Tissue Factor (TF) |
| Thrombomodulin |
| Tropinin T (TnT) |

Human Apolipoproteins

(Cat. No. APO-62K)

| | |
|---------|----------|
| Apo AI | Apo CII |
| Apo AII | Apo CIII |
| Apo B | Apo E |

Mouse CVD1

(Cat. No. MCVD1-77AK)

| | |
|---------------|---------|
| MMP-9 | sICAM-1 |
| PAI-1 (total) | sVCAM-1 |
| sE-Selectin | |

Mouse CVD2

(Cat. No. MCVD277BK)

| | |
|-------------|------------|
| Adiponectin | Apo E |
| Apo AI | Fibrinogen |

Mouse Acute Phase Panel 1


(Cat. No. MAP1MAG-76K)

| |
|---------------------------|
| Lipocalin-2/NGAL |
| Pentraxin-3 (PTX3) |
| Serum Amyloid A-3 (SAA-3) |

Mouse Acute Phase Panel 2

(Cat. No. MAP2MAG-76K)

* Coming Soon

 Magnetic Bead Format

† Cannot be plexed together:
Amylin (active) and Amylin (total)

■ Requires Sample Extraction

▼ Panel Premix Only

Cardiovascular, continued

| |
|-------------------------------------|
| Adipsin |
| α -1-acid glycoprotein (AGP) |
| α -2-Macroglobulin |
| CRP |
| Haptoglobin |
| Serum Amyloid P |
| Pentraxin-2 |

Rat CVD1

(Cat. No. RCVD1-89K)

| | |
|--------|-----------------------|
| BNP | TNF α |
| IL-6 | Troponin I |
| MCP-1 | Troponin T |
| MPO | VEGF |
| PAI-1 | von Willebrand Factor |
| TIMP-1 | |

Rat CVD2

(Cat. No. RCVD2-89K)

| |
|-------------|
| sE-Selectin |
| sICAM-1 |

Single Plex CVD Kits

| |
|---------------------|
| CRP (Rat/Mouse) |
| Fibrinogen (Human) |
| Haptoglobin (Human) |

* Coming Soon

 Magnetic Bead Format

† Cannot be plexed together:
1) PSA (free) and PSA (total)

Cancer Biomarker

Human Circulating Cancer Biomarker Panel 1

(Cat. No. HCCBP1MAG-58K) 

| | |
|-----------------|--------------------------|
| AFP | MIF |
| CA125 | Osteopontin |
| CA15-3 | Prolactin |
| CA19-9 | PSA (free) [†] |
| CEA | PSA (total) [†] |
| CYFRA21-1 | SCF |
| FGF-2/FGF-basic | sFas |
| HCG β | sFasL |
| HE4 | TGF α |
| HGF | TNF α |
| IL-6 | TRAIL |
| IL-8 | VEGF |
| Leptin | |

Human Circulating Cancer Biomarker Panel 2

(Cat. No. HCCBP2MAG-58K) 

| |
|---------------------------------------|
| Antithrombin III |
| Coagulation factor XIII |
| Complement factor H (CFH) |
| Extracellular matrix protein 1 (ECM1) |
| Vitamin D binding protein |
| Vitronectin |

Human Circulating Cancer Biomarker Panel 3

Cat. No. HCCBP3MAG-58K  

| | |
|-------------------------------------|-------------------------------------|
| Catalase | Melanoma inhibitory activity (MIA) |
| Cathepsin D | Myeloperoxidase (MPO) |
| Ferritin | Sex hormone binding globulin (SHBG) |
| Fibroblast activation protein (FAP) | |
| Galectin 3 | |
| IGFBP3 | |

Human Angiogenesis/ Growth Factor

(Cat. No. HAGP1MAG-12K) 

| | |
|------------------|--------|
| Angiopoietin-2 | HB-EGF |
| BMP-9 | HGF |
| EGF | IL-8 |
| Endoglin | Leptin |
| Endothelin-1 | PLGF |
| FGF-1/FGF-acidic | VEGF-A |
| FGF-2/FGF-basic | VEGF-C |
| Follistatin | VEGF-D |
| G-CSF | |

Neuroscience

Human Neurodegenerative Disease Panel 1

(Cat. No. HNDG1-36K)

MB Format Coming Soon* 

| | |
|---------------------------|---------------------|
| α -2-Macroglobulin | Complement C3 |
| Apo A1 | Complement Factor H |
| Apo CIII | Prealbumin |
| Apo E | |

Human Neurodegenerative Disease Panel 2

(Cat. No. HNDG2-36K)

MB Format Coming Soon* 

| | |
|-------------------------|-------|
| α -1-Antitrypsin | MIP-4 |
| Complement C4 | PEDF |
| CRP | SAP |

Human Neurodegenerative Disease Panel 3

(Cat. No. HNDG3-36K)

MB Format Coming Soon* 

| | |
|---------------|------------|
| BDNF | PDGF-AB/BB |
| Cathepsin D | RANTES |
| MPO | sICAM-1 |
| PAI-1 (total) | sNCAM |
| PDGF-AA | sVCAM-1 |

Human Neurodegenerative Disease Panel 4

CSF samples

(Cat. No. HNDG4-36K)

MB Format Coming Soon* 

| | |
|----------------|-------|
| A β 1-40 | S100B |
| A β 1-42 | sRAGE |
| GDNF | |

Human Neurological Disorders Panel 1

CSF Samples

(Cat. No. HND1MAG-39K) **NEW!** 

| | |
|---------------------|--------------|
| α -Synuclein | PARK7/DJ1 |
| NGF β | Tau (Thr231) |
| NSE | Tau (total) |
| PARK5/UCHL1 | |

Human Neurological Disorders Panel 2

(Cat. No. HND2MAG-39K) **NEW!** 

| | |
|-----|-----------------|
| AGP | HP |
| CP | Serum Amyloid P |

Human Neuropeptide

MB Format Coming Soon* 

| | |
|--------------------|-------------|
| α -MSH | Neurotensin |
| β -Endorphin | Orexin A |
| Cortisol | Oxytocin |
| Melatonin | Substance P |

Toxicity

Human Kidney Toxicity Panel 1

Serum samples

(Cat. No. HKT1MAG-38K) 

| | |
|-------------|-------|
| KIM-1 | Renin |
| Osteopontin | TFF-3 |

Human Kidney Toxicity Panel 2

Serum samples

(Cat. No. HKT2MAG-38K) 

| | |
|--------------------------|--|
| β -2-Microglobulin | |
| Clusterin | |
| Cystatin C | |

Human Kidney Toxicity Panel 3

Urine samples

(Cat. No. HKT3MAG-38K) 

| | |
|-------|--|
| KIM-1 | |
| Renin | |
| TFF-3 | |

Human Kidney Toxicity Panel 4

Urine samples

(Cat. No. HKT4MAG-38K) 

| | |
|--------------------------|-------------|
| Albumin | Cystatin C |
| β -2-Microglobulin | Osteopontin |
| Clusterin | |

Rat Kidney Toxicity Panel 1

(Cat. No. RKT1-37K)

| | |
|-------------|--|
| Clusterin | |
| KIM-1 | |
| Osteopontin | |

Rat Kidney Toxicity Panel 1

MB Format Coming Soon* 

| | |
|--------------|-------------|
| Calbindin | KIM-1 |
| Clusterin | Osteopontin |
| GST α | TIMP-1 |
| IP-10 | VEGF |

Rat Kidney Toxicity Panel 2

(Cat. No. RKT2-37K)

| | |
|--------------------------|--|
| Albumin | |
| β -2-Microglobulin | |
| Cystatin C | |

Rat Kidney Toxicity Panel 2

MB Format Coming Soon* 

| | |
|--------------------------|------------------|
| AGP | Cystatin C |
| Albumin | EGF |
| β -2-Microglobulin | Lipocalin-2/NGAL |

Single Plex Toxicity Kits

| |
|--|
| α -2 Microglobulin (Rat)*  |
|--|

Inflammation / Immunology

Human Cytokine/ Chemokine Panel I

(Cat. No. MPXHCYTO-60K)

(Cat. No. HCYTOMAG-60K) 

(Cat. No. HCYTMAG-60K-PX29) 

(Cat. No. HCYTMAG-60K-PX39) 

(Cat. No. HCYTMAG-60K-PX42) 

| | |
|----------------|-------------------------|
| EGF | IL-10 |
| Eotaxin | IL-12 (p40) |
| FGF-2 | IL-12 (p70) |
| Flt3 ligand | IL-13 |
| Fractalkine | IL-15 |
| G-CSF | IL-17A |
| GM-CSF | IP-10 |
| GRO | MCP-1/CCL2/MCAF |
| IFN α 2 | MCP-3/CCL7 |
| IFN γ | MDC/CCL22 |
| IL-1 α | MIP-1 α |
| IL-1 β | MIP-1 β |
| IL-1ra | PDGF-AA [†] |
| IL-2 | PDGF-AB/BB [†] |
| IL-3 | RANTES [†] |
| IL-4 | sIL-2R α |
| IL-5 | sCD40L |
| IL-6 | TGF α |
| IL-7 | TNF α |
| IL-8 | TNF β |
| IL-9 | VEGF |

Human Cytokine/ Chemokine Panel II

(Cat. No. MPXHCYP2-62K)

(Cat. No. HCYP2MAG-62K) 

(Cat. No. HCP2MAG-62K-PX23) 

| |
|----------------------------------|
| 6Ckine/CCL21 |
| BCA-1/CXCL13 |
| CTACK/CCL27 |
| ENA-78/CXCL5 |
| Eotaxin-2/CCL24/MPIF-2 |
| Eotaxin-3/CCL26 |
| IL-16 |
| IL-20 |
| IL-21 |
| IL-23 |
| IL-28A |
| IL-33/NF-HEV (mature) |
| I-309/CCL1 |
| LIF |
| MCP-2 |
| MCP-4 |
| MIP-1d (MIP-5/CCL15) |
| SCF |
| SDF-1 α + β /CXCL12 |
| TARC/CCL17 |
| TPO |
| TRAIL/TNFSF10 |
| TSLP |

Human Cytokine/ Chemokine Panel III

(Cat. No. MPXHCYP3-63K)

(Cat. No. HCYP3MAG-63K) 

(Cat. No. HCP3MAG-63K-PX9) 

(Cat. No. HCP3MAG-63K-PX11) 

| | |
|-----------------------------------|--------------------------|
| HCC-1/CCL14 α [†] | M-CSF |
| IL-11 | MIG/CXCL9 |
| IL-29/IFN γ 2 | MIP-3 α /CCL20 |
| I-TAC/CXCL11 | MIP-3 β /CCL19 |
| LIX/CXCL6/GCP-2 | NAP-2/CXCL7 [†] |
| Lymphotactin | |

Human High Sensitivity Cytokine/Chemokine

(Cat. No. HSCYTO-60SK)

(Cat. No. HSCYTMAG-60SK) 

(Cat. No. HSCYTMAG60SPMX13)   **NEW!**

| | |
|--------------|--------------|
| GM-CSF | IL-8 |
| IL-1 β | IL-10 |
| IL-2 | IL-12 (p70) |
| IL-4 | IL-13 |
| IL-5 | IFN γ |
| IL-6 | TNF α |
| IL-7 | |

Human Soluble Cytokine Receptor

(Cat. No. HSCR-32K)

MB Format Coming Soon* 

| | |
|-----------------|----------|
| sCD30 | sIL-6R |
| sEGFR | sRAGE |
| sgp130 | sTNF RI |
| sIL-1RI | sTNF RII |
| sIL-1RII | sVEGF R1 |
| sIL-2R α | sVEGF R2 |
| sIL-4R | sVEGF R3 |

Human Th17

(Cat. No. HTH17MAG-14K) 

Premix Coming Soon*

| | |
|--------------|----------------|
| GM-CSF | IL-17E |
| IFN γ | IL-17F |
| IL-1 β | IL-21 |
| IL-2 | IL-22 |
| IL-4 | IL-23 |
| IL-5 | IL-27 |
| IL-6 | IL-28A |
| IL-9 | IL-31 |
| IL-10 | IL-33 |
| IL-12 (p70) | MIP-3 α |
| IL-13 | TNF α |
| IL-15 | TNF β |
| IL-17A | |

* Coming Soon

 Magnetic Bead Format

** Discontinued non-magnetic bead format June 30, 2012

 Expanded panel coming soon

 Magnetic Premix Panel

† Cannot be plexed together:

- 1) PDGF-AA, PDGF-AB/BB and RANTES
- 2) HCC-1/CCL14 α and NAP-2/CXCL7

Human CD8MB Format Coming Soon* 

| | |
|--------------|----------------|
| sCD137 | IL-5 |
| sFas | IL-6 |
| sFasL | IL-10 |
| GM-CSF | IL-13 |
| Granzyme A | MIP-1 α |
| Granzyme B | MIP-1 β |
| IFN γ | Perforin |
| IL-2 | TNF α |
| IL-4 | |

Human MMP 1

(Cat. No. HMMP1-55K)

MB Format Coming Soon* 

| |
|--------|
| MMP-3 |
| MMP-12 |
| MMP-13 |

Human MMP 2

(Cat. No. HMMP2-55K)

MB Format Coming Soon* 

| | |
|-------|--------|
| MMP-1 | MMP-9 |
| MMP-2 | MMP-10 |
| MMP-7 | |

Human TIMP 1

Serum samples

(Cat. No. HTIMP1-54K)

MB Format Coming Soon* 

| |
|--------|
| TIMP-1 |
| TIMP-2 |

Human TIMP 2

Cell culture samples

(Cat. No. HTIMP2-54K)

MB Format Coming Soon* 

| | |
|--------|--------|
| TIMP-1 | TIMP-3 |
| TIMP-2 | TIMP-4 |

Non-Human Primate Cytokine/Chemokine

(Cat. No. MPXPRCYTO-40K)

(Cat. No. PRCYTOMAG-40K) (Cat. No. PCYTMG-40K-PX23) 

| | |
|----------------|-----------------|
| G-CSF | IL-15 |
| GM-CSF | IL-17A |
| IL-1 β | IL-18 |
| IL-1ra | IFN γ |
| IL-2 | MCP-1/CCL2/MCAF |
| IL-4 | MIP-1 α |
| IL-5 | MIP-1 β |
| IL-6 | sCD40L |
| IL-8 | TGF α |
| IL-10 | TNF α |
| IL-12/23 (p40) | VEGF |
| IL-13 | |

Mouse Cytokine/Chemokine Panel I

(Cat. No. MPXMCYTO-70K)

(Cat. No. MCYTOMAG-70K) (Cat. No. MCYTOMAG-70K-PMX) (Cat. No. MCYTOMAG-70K-PX32) 

| | |
|---------------|-----------------|
| Eotaxin | IL-15 |
| G-CSF | IL-17A |
| GM-CSF | IFN γ |
| IL-1 α | IP-10 |
| IL-1 β | KC |
| IL-2 | LIF |
| IL-3 | LIX |
| IL-4 | MCP-1/CCL2/MCAF |
| IL-5 | M-CSF |
| IL-6 | MIG |
| IL-7 | MIP-1 α |
| IL-9 | MIP-1 β |
| IL-10 | MIP-2 |
| IL-12 (p40) | RANTES |
| IL-12 (p70) | TNF α |
| IL-13 | VEGF |

Mouse Cytokine/Chemokine Panel II

(Cat. No. MPXMCYP2-73K)**

(Cat. No. MCYP2MAG-73K) (Cat. No. MCP2MG-73K-PX12) 

| | |
|-------------|----------------|
| EPO | IL-25/IL-17E |
| Exodus-2 | IL-28B |
| Fractalkine | MCP-5 |
| IL-16 | MIP-3 α |
| IL-21 | MIP-3 β |
| IL-22 | TARC |

Mouse Cytokine/Chemokine Panel III

(Cat. No. MPXMCYP3-74K)**

(Cat. No. MCYP3MAG-74K) (Cat. No. MCP3MAG-74K-PX6) 

| | |
|-------|--------|
| IL-20 | IL-33 |
| IL-23 | MDC |
| IL-27 | TIMP-1 |

Mouse Soluble Cytokine Receptor

(Cat. No. MSCR-42K)

| | |
|-----------------|----------|
| sCD30 | sRAGE |
| sgp130 | sTNF RI |
| sIL-1RI | sTNF RII |
| sIL-1RII | sVEGF R1 |
| sIL-2R α | sVEGF R2 |
| sIL-4R | sVEGF R3 |
| sIL-6R | |

Mouse Th17MB Format Coming Soon* 

| | |
|--------------|----------------|
| GM-CSF | IL-17F |
| IFN γ | IL-21 |
| IL-1 β | IL-22 |
| IL-2 | IL-23 |
| IL-4 | IL-27 |
| IL-5 | IL-28A |
| IL-6 | IL-28B |
| IL-10 | IL-31 |
| IL-12 (p70) | IL-33 |
| IL-13 | MIP-3 α |
| IL-15 | TNF α |
| IL-17A | TNF β |
| IL-17E | |

Mouse CD8MB Format Coming Soon* 

| | |
|--------------|---------------|
| sCD137 | IL-5 |
| sFas | IL-6 |
| sFasL | IL-10 |
| GM-CSF | IL-13 |
| Granzyme B | MIP-1 β |
| IFN γ | RANTES |
| IL-2 | TNF α |
| IL-4 | |

Inflammation/ Immunology, continued

Rat Cytokine/Chemokine

(Cat. No. RCYTOMAG-80K) 

(Cat. No. RCYTOMAG-80K-PMX) 

| | |
|---------------|-----------------|
| Eotaxin | IL-12 (p70) |
| G-CSF | IL-13 |
| GM-CSF | IL-17A |
| GRO/KC | IL-18 |
| IFN γ | IP-10 |
| IL-1 α | Leptin |
| IL-1 β | MCP-1/CCL2/MCAF |
| IL-2 | MIP-1 α |
| IL-4 | RANTES |
| IL-5 | TNF α |
| IL-6 | VEGF |

Rat Cytokine/Chemokine

MB Format Coming Soon*  

| | |
|---------------|----------------|
| EGF | IL-12 (p70) |
| Eotaxin | IL-13 |
| Fractalkine | IL-17A |
| G-CSF | IL-18 |
| GM-CSF | IP-10 |
| GRO-KC | Leptin |
| IFN γ | LIX |
| IL-1 α | MCP-1 |
| IL-1 β | MIP-1 α |
| IL-2 | MIP-2 |
| IL-4 | RANTES |
| IL-5 | TNF α |
| IL-6 | VEGF |
| IL-10 | |

Canine Cytokine/Chemokine

(Cat. No. CCYTOMAG-90K) 

(Cat. No. CCYTMG-90K-PX13) 

| | |
|--------------|-----------------|
| GM-CSF | IL-15 |
| IFN γ | IL-18 |
| IL-2 | IP-10 |
| IL-6 | KC-like |
| IL-7 | MCP-1/CCL2/MCAF |
| IL-8 | TNF α |
| IL-10 | |

Multi-species TGF β 1-plex

(Cat. No. TGFB-64K-01)

| |
|---------------|
| TGF β 1 |
|---------------|

Multi-species TGF β 3-plex

(Cat. No. TGFB-64K-03)

| |
|---------------|
| TGF β 1 |
| TGF β 2 |
| TGF β 3 |

Immune Response

Human Immunoglobulin Isotyping

(Cat. No. HGAMMAG-301K) 

| | |
|------|------|
| IgA | IgG3 |
| IgG1 | IgG4 |
| IgG2 | IgM |

Mouse Immunoglobulin Isotyping

(Cat. No. MGAMMAG-300K) 


| | |
|-------|-------|
| IgA | IgG2b |
| IgG1 | IgG3 |
| IgG2a | IgM |

Rat Immunoglobulin Isotyping

(Cat. No. RGAMMAG-302K) 

| | |
|-------|-----|
| IgG1 | IgA |
| IgG2a | IgE |
| IgG2b | IgM |
| IgG2c | |

Single Plex IgE

| |
|---|
| IgE (Human)  |
| IgE (Mouse) |

Human Sepsis Panel 1

(Cat. No. HSP1MAG-63K) 

| | |
|---------------|---------|
| MIF | sFasL |
| PAI-1 (total) | sICAM-1 |
| sFas | sVCAM-1 |

Human Sepsis Panel 2

(Cat. No. HSP2MAG-63K) 

| | |
|---------------|----------------|
| Granzyme B | MIP-1 α |
| HSP70 | MIP-1 β |
| IL-1 α | MMP-8 |
| IL-8 | |

Human Sepsis Panel 3

(Cat. No. HSP3MAG-63K) 


| |
|------------------------------|
| Lactotransferrin (LTF) |
| Lipocalin-1 |
| Neutrophil Elastase-2 (ELA2) |
| Resistin |
| Thrombospondin-1 (TSP-1) |

Human Skin

(Cat. No. SKIN-50K) 

| | |
|---------------------------|--------------|
| Cortisol | Keratin-6 |
| Fibronectin | Keratin-1,10 |
| Human Serum Albumin (HSA) | LPS |
| Involucrin | |

* Coming Soon

 Magnetic Bead Format

 Expanded panel coming soon

 Magnetic Premix Panel

 Panel Premix Only

Cell Signaling & Phosphoprotein Detection

New Challenges, Faster Answers

Multiplexing, using the Luminex® xMAP® platform, provides faster answers to cell signaling questions compared to traditional Western blots, mass spectrometry analysis, and radioactive phosphorylation assays that require large amounts of sample.

Now available are four MILLIPLEX® MAP cell signaling portfolios based on the Luminex® xMAP® platform.

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- MILLIPLEX® MAP EpiQuant™ Cell Signaling Assays

Cellular Metabolism Assays

Our MILLIPLEX® MAP Cellular Metabolism Panels will enable you to:

- Measure analytes within the panels in small sample sizes of cell lysate or tissue extract
- Examine intracellular pathways regulating cellular metabolism and energy production
- Facilitate research areas such as mitochondrial dysfunction and toxicity, metabolic disorders, neurological disorders, cancer and aging

Stem Cell Assays

Our MILLIPLEX® MAP Stem Cell biomarker assays will be coming soon! These assays will allow you to characterize your ES cells, iPS cells, or even your cancer cells using the Luminex® xMAP® platform.

Our upcoming panels are of interest to many areas of research, including development and oncology.

MILLIPLEX® MAP Traditional Cell Signaling Assays

Our traditional cell signaling kits and MAPmates™ offer you the ability to:

- Measure multiple total or phosphorylated proteins along a signaling pathway, in a single sample
- Simultaneously measure sites in multiple pathways
- Conduct all necessary measurements using minimal sample volume
- Choose from analytically validated kits or design your custom assay with our MAPmates™

MILLIPLEX® MAP EpiQuant™ Assays

The union of two powerful technologies – EMD Millipore's EpiQuant™ technology and the Luminex® xMAP® platform – provides you with the most advanced quantitative cell signaling assays.

Answering the challenges of multiplex cell signaling, MILLIPLEX® MAP EpiQuant™ panels enable you to:

- Obtain quantitative results at picomolar sensitivities
- Measure phosphorylation concentrations of multiple sites on the same protein all in one well
- Measure both total and phosphoprotein – all in the same well
- Customize your assay by selecting analytes you want to study
- Design small- or large-plexed panels with ease

Cellular Metabolism Assays

Multi-species Pyruvate Dehydrogenase (PDH) Complex ▼

(Cat. No. PDHMAG-13K) 

| Analyte | Total | Phosphorylated |
|---------|-------|----------------|
| PDH | ✓ | |
| PDH | | ✓ (Ser232) |
| PDH | | ✓ (Ser293) |
| PDH | | ✓ (Ser300) |

Human Fatty Acid Oxidation Panel 1

(Cat. No. HFA01MAG-11K)

| |
|---|
| Acetyl-CoA acyltransferase 2 (ACAA2) |
| Peroxisomal bifunctional enzyme (LPBE/ECHD) |
| Short-chain 3-hydroxyacyl-CoA dehydrogenase (SCHAD) |
| Mitochondrial trifunctional protein (TFP) |

Human Fatty Acid Oxidation Panel 2

(Cat. No. HFA02MAG-11K)

| |
|---|
| Carnitine palmitoyltransferase 2 (CPT2) |
| 2,4-dienoyl-CoA reductase (DECR1) |
| Electron transfer flavoprotein, mitochondrial (ETF) |
| Medium-chain acyl-CoA dehydrogenase (MCAD) |
| Peroxisomal multifunctional enzyme 2 (MFE2) |

Human Oxidative Phosphorylation

(Cat. No. HOXPSMAG-16K)

| |
|--|
| Complex I (NADH-Ubiquinone Oxidoreductase) |
| Complex II (Succinate Ubiquinone Oxidoreductase) |
| Complex III (Ubiquinone Cytochrome C Oxidoreductase) |
| Complex IV (Cytochrome C Oxidase) |
| Complex V (ATP Synthase) |
| NNT (Nicotinamide Nucleotide Transhydrogenase) |

Rat/Mouse Oxidative Phosphorylation ▼

RM0XPSMAG-17K 

| |
|--|
| Complex I (NADH-Ubiquinone Oxidoreductase) |
| Complex III (Ubiquinone Cytochrome C Oxidoreductase) |
| Complex V (ATP Synthase) |

Human Oxidative Stress ▼

HOXSTMAG-18K 

| |
|--------------|
| Catalase |
| PRX2 (PRDX2) |
| SOD1 |
| SOD2 |
| TRX1 |

Human Drug Metabolism

(Cat. No. HDMMAG-19K) 

| |
|---------|
| ALDH4A1 |
| CES1 |
| EPHX1 |
| MAO-A |
| MAO-B |

Stem Cell Assays

Human Stem Cell Pluripotency Panel 1

MB Format Coming Soon*

| Analyte | Total | Phosphorylated |
|---------|-------|----------------|
| c-Myc | ✓ | |
| Nanog | ✓ | |
| Oct 3/4 | ✓ | |
| Sox2 | ✓ | |

Traditional Cell Signaling

Human Multi-Pathway – 8 Plex

(Cat. No. 48-680) ▼

MB Format Coming Soon* 

| Analyte | Total | Phosphorylated |
|---------------|-------|-------------------|
| CREB | | ✓ (Ser133) |
| Erk/MAPK 1/2 | | ✓ (Thr185/Tyr187) |
| IκBα | | ✓ (Ser32) |
| JNK | | ✓ (Thr183/Tyr185) |
| p38 | | ✓ (Thr180/Tyr182) |
| p70 S6 Kinase | | ✓ (Thr412) |
| STAT3 | | ✓ (Ser727) |
| STAT5A/B | | ✓ (Tyr694/699) |

Human Multi-Pathway – 9 Plex

MB Format Coming Soon*

| Analyte | Total | Phosphorylated |
|---------------|-------|-------------------|
| Akt | | ✓ (Ser473) |
| CREB | | ✓ (Ser133) |
| Erk/MAPK 1/2 | | ✓ (Thr185/Tyr187) |
| NFκB | | ✓ (Ser536) |
| JNK | | ✓ (Thr183/Tyr185) |
| p38 | | ✓ (Thr180/Tyr182) |
| p70 S6 Kinase | | ✓ (Thr412) |
| STAT3 | | ✓ (Ser727) |
| STAT5A/B | | ✓ (Tyr694/699) |

Human T Cell Receptor – 7 Plex

(Cat. No. 48-690) ▼

| Analyte | Total | Phosphorylated |
|--------------|-------|-------------------|
| CD3ε | | ✓ (pan Tyr) |
| CREB | | ✓ (Ser133) |
| Erk/MAPK 1/2 | | ✓ (Thr185/Tyr187) |
| LAT | | ✓ (pan Tyr) |
| Lck | | ✓ (pan Tyr) |
| Syk | | ✓ (pan Tyr) |
| ZAP-70 | | ✓ (pan Tyr) |

Human Late Apoptosis – 3 Plex

(Cat. No. 48-670) ▼

MB Format Coming Soon*  

| Analyte | Total | Phosphorylated |
|---------------------|-------|----------------|
| Active Caspase 3 | ✓ | |
| Active Cleaved PARP | ✓ | |
| GAPDH | ✓ | |

Human Early Apoptosis – 7 Plex

MB Format Coming Soon* 

| Analyte | Total | Phosphorylated |
|------------------|-------|-------------------|
| Akt | | ✓ (Ser473) |
| Bad | | ✓ (Ser112) |
| Bcl-2 | | ✓ (Ser70) |
| Active Caspase 8 | | ✓ (Asp384) |
| Active Caspase 9 | | ✓ (Asp315) |
| JNK | | ✓ (Thr183/Tyr185) |
| p53 | | ✓ (Ser46) |

Human MAPK/SAPK – 10 Plex

(Cat. No. 48-660) ▼

| Analyte | Total | Phosphorylated |
|----------------|-------|-------------------|
| ATF2 | | ✓ (Thr69/71) |
| Erk/MAPK 1/2 | | ✓ (Thr185/Tyr187) |
| HSP27 | | ✓ (Ser78) |
| JNK | | ✓ (Thr183/Tyr185) |
| c-Jun | | ✓ (Ser73) |
| MEK1 | | ✓ (Ser222) |
| MSK1 | | ✓ (Ser212) |
| p38 (SAPK2A/B) | | ✓ (Thr180/Tyr182) |
| p53 | | ✓ (Ser15) |
| STAT1 | | ✓ (Tyr707) |

Human SRC Family Kinase – 8 Plex

(Cat. No. 48-650) ▼

| Analyte | Total | Phosphorylated |
|---------|-------|----------------|
| Blk | | ✓ (pan Tyr) |
| Fgr | | ✓ (pan Tyr) |
| Fyn | | ✓ (pan Tyr) |
| Hck | | ✓ (pan Tyr) |
| Lck | | ✓ (pan Tyr) |
| Lyn | | ✓ (pan Tyr) |
| Src | | ✓ (pan Tyr) |
| Yes | | ✓ (pan Tyr) |


Human Akt / mTOR – 11 Plex

(Cat. No. 48-611) ▼

(Cat. No. 48-611MAG) ▼ 


| Analyte | Total | Phosphorylated |
|---------------|-------|------------------|
| Akt | | ✓ (Ser473) |
| GSK3α | | ✓ (Ser21) |
| GSK3β | | ✓ (Ser9) |
| IGF1R | | ✓ (Tyr1135/1136) |
| IR | | ✓ (Tyr1162/1163) |
| IRS1 | | ✓ (Ser312) |
| mTOR | | ✓ (Ser2448) |
| p70 S6 Kinase | | ✓ (Thr412) |
| PTEN | | ✓ (Ser380) |
| RPS6 | | ✓ (Ser235/236) |
| TSC2 | | ✓ (Ser939) |

Human Total Akt/mTOR – 11 Plex

(Cat. No. 48-612MAG) ▼ 

| Analyte | Total | Phosphorylated |
|--------------|-------|----------------|
| Akt | ✓ | |
| GSK3α | ✓ | |
| GSK3β | ✓ | |
| IGF1R | ✓ | |
| IR | ✓ | |
| IRS1 | ✓ | |
| mTOR | ✓ | |
| p70S6 Kinase | ✓ | |
| PTEN | ✓ | |
| RPS6 | ✓ | |
| TSC2 | ✓ | |

* Coming Soon

 Magnetic Bead Format Expanded panel coming soon

▼ Panel Only Premix

Traditional Cell Signaling, continued

Human Angiogenesis RTK – 10 Plex

MB Format Coming Soon*



| Analyte | Total | Phosphorylated |
|----------------|-------|----------------|
| c-Kit | | ✓ pan Tyr |
| Flt3 | | ✓ pan Tyr |
| M-CSFR | | ✓ pan Tyr |
| PDGFR α | | ✓ pan Tyr |
| PDGFR β | | ✓ pan Tyr |
| Tie1 | | ✓ pan Tyr |
| Tie2 | | ✓ pan Tyr |
| VEGF R1 | | ✓ pan Tyr |
| VEGF R2 | | ✓ pan Tyr |
| VEGF R3 | | ✓ pan Tyr |

Human Total Angiogenesis RTK – 10 Plex

MB Format Coming Soon*



| Analyte | Total | Phosphorylated |
|----------------|-------|----------------|
| c-Kit | ✓ | |
| Flt3 | ✓ | |
| M-CSFR | ✓ | |
| PDGFR α | ✓ | |
| PDGFR β | ✓ | |
| Tie1 | ✓ | |
| Tie2 | ✓ | |
| VEGF R1 | ✓ | |
| VEGF R2 | ✓ | |
| VEGF R3 | ✓ | |

Human Mitogenesis RTK – 7 Plex

48-672MAG



| Analyte | Total | Phosphorylated |
|------------|-------|----------------|
| cMet/HGFR | | ✓ pan Tyr |
| EGFR | | ✓ pan Tyr |
| ErbB2/HER2 | | ✓ pan Tyr |
| ErbB3 | | ✓ pan Tyr |
| ErbB4 | | ✓ pan Tyr |
| IGF1R | | ✓ pan Tyr |
| IR | | ✓ pan Tyr |

Human Total Mitogenesis RTK – 7 Plex

48-671MAG



| Analyte | Total | Phosphorylated |
|------------|-------|----------------|
| cMet/HGFR | ✓ | |
| EGFR | ✓ | |
| ErbB2/HER2 | ✓ | |
| ErbB3 | ✓ | |
| ErbB4 | ✓ | |
| IGF1R | ✓ | |
| IR | ✓ | |

Human Heat Shock Protein – 5 Plex

(Cat. No. 48-615MAG)



| Analyte | Total | Phosphorylated |
|----------------|-------|-----------------|
| HSP27 | ✓ | |
| Phospho-HSP27 | | ✓ (Ser78/Ser82) |
| HSP60 | ✓ | |
| HSP70 | ✓ | |
| HSP90 α | ✓ | |

Human EGFR Profiler – 8 Plex

(Cat. No. 48-613MAG)



| Analyte | Total | Phosphorylated |
|---------|-------|----------------|
| EGFR | ✓ | |
| EGFR | | ✓ (Thr654) |
| EGFR | | ✓ (Thr669) |
| EGFR | | ✓ (Tyr845) |
| EGFR | | ✓ (Tyr1045) |
| EGFR | | ✓ (Ser1047) |
| EGFR | | ✓ (Tyr1068) |
| EGFR | | ✓ (Tyr1086) |

Human STAT – 5 Plex

(Cat. No. 48-610) ▼

MB Format Coming Soon*



| Analyte | Total | Phosphorylated |
|----------|-------|----------------|
| STAT1 | | ✓ (Tyr701) |
| STAT2 | | ✓ (Tyr690) |
| STAT3 | | ✓ (Tyr705) |
| STAT5A/B | | ✓ (Tyr694/699) |
| STAT6 | | ✓ (Tyr641) |

Human TGF β – 6 Plex

48-614MAG



| Analyte | Total | Phosphorylated |
|-----------------|-------|-------------------|
| Akt | | ✓ (Ser473) |
| Erk | | ✓ (Thr185/Tyr187) |
| SMAD2 | | ✓ (Ser465/467) |
| SMAD3 | | ✓ (Ser423/425) |
| SMAD4 | ✓ | |
| TGF β RII | ✓ | |

* Coming Soon

Magnetic Bead Format

▼ Panel Only Premix

Human Akt – 2 plex

MB Format Coming Soon*

| Analyte | Total | Phosphorylated |
|---------|-------|----------------|
| Akt | ✓ | |
| Akt | | ✓ (Ser473) |

Human Erk/MAPK 1/2 – 2-plex

MB Format Coming Soon*

| Analyte | Total | Phosphorylated |
|---------|-------|-------------------|
| Erk | ✓ | |
| Erk | | ✓ (Thr185/Tyr187) |

The following MAPmates™ should not be plexed together:



- MAPmates™ that require a different assay buffer
- Phosphospecific and total MAPmate™ pairs, e.g. total GSK3β and GSK3β (Ser 9)
- Pan Tyr and site-specific MAPmates™, e.g. Phospho-EGF Receptor and HSP27 (Ser78)
- More than 1 phospho-MAPmate™ for a single target (Akt, STAT3, p53, Src, Rb)
- GAPDH and β-Tubulin can not be plexed with kits or MAPmates™ containing panTyr

Buffer & Detection Kit (Cat. No. 48-602)
Required to run all MAPmate™ assays.

MAPmates™

| Analyte | Total | Phosphorylated |
|--------------------------|-------|-------------------|
| Akt/PKB (assay buffer 1) | ✓ | ✓ (Ser473) |
| Akt/PKB (assay buffer 1) | | ✓ (Thr308) |
| Akt/PKB (assay buffer 2) | ✓ | ✓ (Ser473) |
| ATF2 | | ✓ (Thr69/71) |
| BAD | ✓ | ✓ (Ser112) |
| Active Caspase 3 | ✓ | |
| CREB | ✓ | ✓ (Ser133) |
| EGF-Receptor | ✓ | ✓ (PanTyr) |
| Erb-B2/HER2 | | ✓ (PanTyr) |
| Erk/MAPK 1/2 | ✓ | ✓ (Thr185/Tyr187) |
| GSK3β | ✓ | ✓ (Ser9) |
| H2A.X | | ✓ (Ser139) |
| HIF-1α | ✓ | |
| HSP27 | ✓ | ✓ (Ser78) |
| IGF1R | ✓ | ✓ (PanTyr) |
| IκBα | ✓ | ✓ (Ser32) |
| IR | ✓ | ✓ (Tyr1162/1163) |
| IRS1 | ✓ | ✓ (PanTyr) |
| JNK | ✓ | ✓ (Thr183/Tyr185) |

MAPmates™ continued

| Analyte | Total | Phosphorylated |
|-----------------|---|-------------------|
| c-Jun | | ✓ (Ser73) |
| c-Kit | ✓ | ✓ (PanTyr) |
| Lck | ✓ | ✓ (PanTyr) |
| Lck | | ✓ (Tyr394) |
| Lyn | ✓ | ✓ (Tyr397) |
| c-Met/HGFR | ✓ | ✓ (PanTyr) |
| MEK1 | ✓ | ✓ (Ser222) |
| mTOR | ✓ | ✓ (Ser2448) |
| NFκB | ✓ | ✓ (Ser536) |
| p21 | ✓ | |
| p38 (SAPK2A/B) | ✓ | ✓ (Thr180/Tyr182) |
| p53 | ✓ | ✓ (Ser15) |
| p53 | | ✓ (Ser46) |
| p70 S6 Kinase | ✓ | ✓ (Thr412) |
| Cleaved PARP | ✓ | |
| PDGF Receptor α | | ✓ (PanTyr) |
| PDGF Receptor β | | ✓ (PanTyr, mouse) |
| PRAS40 | ✓ | ✓ (Thr246) |
| PTEN | ✓ | ✓ (Ser380) |
| Rb | ✓ | ✓ (Thr826) |
| Rb | | ✓ (Thr252) |
| Rb | | ✓ (Ser811) |
| Src | ✓ | ✓ (Tyr419) |
| Src | | ✓ (Tyr530) |
| STAT1 | ✓ | ✓ (Tyr701) |
| STAT2 | | ✓ (Tyr690) |
| STAT3 | ✓ | ✓ (Tyr705) |
| STAT3 | | ✓ (Ser727) |
| STAT5A/B | | ✓ (Tyr694/699) |
| STAT6 | | ✓ (Tyr641) |
| ZAP-70 | | ✓ (PanTyr) |
| GAPDH | ✓ (Human) | |
| GAPDH* | ✓ (Human/Rat/Mouse)  | |
| β-Tubulin* | ✓ (Human/Rat/Mouse)  | |

SignalProfiler™ Services

Speed your time to discovery by leveraging our SignalProfiler™ service, utilizing our own MILLIPLEX® traditional and EpiQuant™ cell signaling kits and MAPmates™ – the most trusted platform for multiplex protein quantitation.

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MILLIPLEX® MAP EpiQuant™

Sample Preparation Kit

(Cat. No. MPEQ-SP)

A sample prep kit containing all the reagents you need to prepare up to 5 mL of sample lysates, including:

- Cell lysis
- Protein denaturing
- Protein fragmentation

Required to run EpiQuant™ multiplex assays

EGFR Signaling Pathway Panel

(Cat. No. MPEQMAG-110K)

| | |
|--|--|
| CSK (Tyr304) | Gab2 (Tyr266) |
| EGFR/HER1 Total | Gab2 (Tyr584) |
| EGFR/HER1 (Tyr1069/1092) | Gab2 (Tyr614) |
| EGFR/HER1 (Tyr1110/1125) | PI3Kp110δ (Tyr485) |
| ErbB2/HER2 (Tyr1023) | PKCμ (Tyr502) |
| ErbB3/HER3(Tyr1197/1199/ 1262/1276/1298/1307) | PLCγ1 (Tyr1253) |
| ERK 1/2 (Tyr204/187) | PLCγ2 (Tyr1192-1217) |
| FAK (Tyr397/407) | Shc (Tyr349/350) |
| FAK (Tyr861) | SPRY2 (Tyr55) |
| FRS2 (Tyr436) | STAT3 (Tyr705) |
| Gab1 (Tyr285/307/317) | TAFI168 Total (loading control) |

Human Receptor Tyrosine Kinase Signaling Pathway

(Cat. No. MPEQMAG-104K)

NEW!

| | |
|---|---------------------|
| EGFR2/HER2 Total | PI3K p110δ (Tyr485) |
| EGFR2/HER2 (Tyr1023) | PTEN Total |
| EGFR2/HER2 (Tyr1112/1139) | RET Total |
| EGFR2/HER2 (Tyr 1196/1221/1222) | RET (Tyr826) |
| EGFR3/Erb-B3 Total | RET (Tyr62/90/96) |
| EGFR3/Erb-B3 (Tyr1197/1199/ 1262/1276/1298/1307) | SLP65 (Tyr84) |
| Kit Total | SLP65 (Tyr189) |
| Kit/SCFR (Tyr545) | Syk Total |
| Kit/SCFR (Tyr936) | Syk (Tyr323) |
| Lyn Total | Syk (Tyr629/630) |
| Lyn (Tyr397) | VEGFR1 Total |
| PDGFRα Total | VEGFR1 (Tyr1169) |
| PDGFRα (Tyr720/730) | VEGFR2 Total |
| PI3K p110δ Total | VEGFR2 (Tyr1175) |

Human MAPK Pathway

MB Format Coming Soon*


| | |
|---------------------------|-----------------------|
| ATF2 Total | MEK2 (Ser222/226) |
| ATF2 (Ser328) | MEK3/6 (Thr211/221) |
| Bcl-2 (Thr56) | MEK4 (Ser80) |
| c-Fos Total | MEK4 (Thr261) |
| c-Fos (Thr232) | MSK1 (Ser212) |
| CHOP/GADD153 Total | NFκB1 Total |
| CHOP/GADD153 (Ser79) | NFκB1 (Ser932) |
| c-Jun Total | p38α Total |
| c-Jun (Tyr170) | p38α (Tyr185) |
| c-Myc Total | p38γ Total |
| c-Myc (Thr58) | p38γ (Tyr185) |
| ERK1/2 Total | Paxillin Total |
| ERK1/2 (Tyr187 /Tyr204) | Paxillin (Tyr31) |
| FAK Total | PRAK (Thr182) |
| FAK (Tyr397/861) | RSK1 Total |
| HSF1 (Ser307) | RSK1 (Ser363) |
| HSP27 (Ser15) | Shc Total |
| IKKα (CHUK) (Ser176) | Shc (Tyr349) |
| JNK1/2/3 Total | STAT3 Total |
| JNK1/2/3 (Tyr185) | STAT3 (Tyr705) |

Phosphothreonine Cell Signaling Panel 1

(Cat. No. MPEGMAG-103K)

| | |
|---|-------------------------------------|
| AKT1 substrate 1 (Thr246) | IKKα (Thr23) |
| CAM kinase 1α (Thr1177) | IRS1 (Thr88) |
| CAMKKα (Thr108) | NFκB1 (Thr931) |
| CDC34 (Thr233) | Occludin (Thr404) |
| ERα (Thr311) | Period circadian protein 3 (Thr635) |
| Glutamine dependent carbamoylphosphate synthase (Thr1037) | PKCε (Tyr566) |
| IkBα (Thr291) | Myt1 (Thr495) |
| | Ser/Thr protein kinase N (Thr780) |

* Coming Soon

 Magnetic Bead Format

Phosphotyrosine Cell Signaling Panel 1

(Cat. No. MPEQ-100K)

| | |
|--|---|
| Cbl (Tyr700/731/774) | PKD1 (Tyr373/376) |
| Crk (Tyr221/239) | PI3K p110 δ (Tyr485) |
| CUB domain containing protein 1 (Tyr734) | Plakoglobin/ α -catenin (Tyr548) |
| EGFR (Tyr1110/1125) | PLC γ 1 (Tyr1253) |
| Ezrin (Tyr477) | PLC γ 2 (Tyr1197/1217) |
| FAK (Tyr397/407) | Raf-1 (Tyr340/341) |
| FAK (Tyr861) | Rap GEF1/GRF2 (Tyr504) |
| FRS2 (Tyr436) | SCF38 (Tyr20) |
| Fyb (Tyr651/697) | SH2 domain containing protein 3A (Tyr231) |
| Gab1 (Tyr285/307/317) | SH2 domain containing protein 3A (Tyr95) |
| Gab2 (Tyr266) | Shc (Tyr349/350) |
| Gab2 (Tyr584) | SPTAN1 (Tyr1176) |
| Growth hormone receptor (Tyr566) | STAT3 (Tyr705) |
| HER2 (Tyr1023) | Transferrin Receptor (Tyr20) |
| IL-15R α chain (Tyr227) | Tyrosine Protein Kinase Tec (Tyr206) |
| IRS1 (Tyr612) | VEGFR1 (Tyr1169) |
| ITK (Tyr180) | WASP (Tyr291) |
| JAK3 (Tyr785) | ZAP70 (Tyr126) |
| JNK 1/2/3 (Tyr185/185/223) | |
| p38/MAPK α (Tyr181) | |

Phosphotyrosine Cell Signaling Panel 2

(Cat. No. MPEQMAG-102K)

| | |
|---|--|
| AXL (Tyr772) | LSR (Tyr615/616) |
| AXL (Tyr859) | PSTPIP1 (Tyr344) |
| BTK (Tyr344) | Rai-like protein (Tyr424) |
| EPOR (Tyr426) | Rai-like protein (Tyr465) |
| GHR (Tyr487) | RET (Tyr1062/1090/1096) |
| GSK3 α/β (Tyr 216/279) | RET (Tyr826) |
| Heterogeneous nuclear ribonucleoprotein (Tyr72) | Ron/MSP-R (Tyr1353-1360) |
| HGFR/met (Tyr406/407) | SYK (Tyr629/630) |
| Kit/SCFR (Tyr545) | Vanilloid receptor-like channel 2 (Tyr411) |
| Kit/SCFR (Tyr936) | Vav1 (Tyr142/160/174) |
| LSR (Tyr406/407) | VEGF R3 (Tyr1230/1231) |

Instrumentation & Software

As a Luminex® partner, EMD Millipore is a distributor of Luminex® instruments, accessories and software. We were there at the beginning to help validate Luminex® as a standard of multiplexing, and our ongoing dedication and experience in this technology enable you to gain more information faster, without compromising reliability.

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(Cat. No. 40-073 - MAGPIX® with
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(Cat No. 40-013 - MILLIPLEX® Analyzer with
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The FLEXMAP 3D® system combines differentially dyed fluorescent microsphere sets with an innovative instrument design that can accommodate measuring the concentrations of up to 500 unique analytes within a single sample rapidly and precisely. Features – such as automated probe height adjustment, simplified routine maintenance operations and an intuitive software interface – make FLEXMAP 3D® a flexible and easy-to-use multiplexing system.



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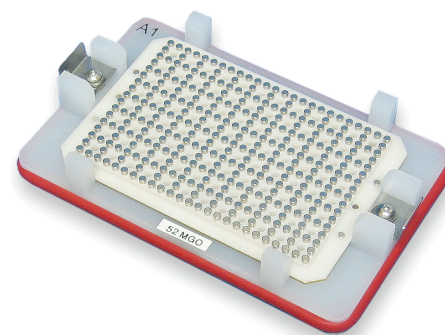
The ELx50/8M Microplate Washer is a welcome upgrade from manual processing that brings to your lab an all inclusive wash solution with consistent performance and unattended operation.



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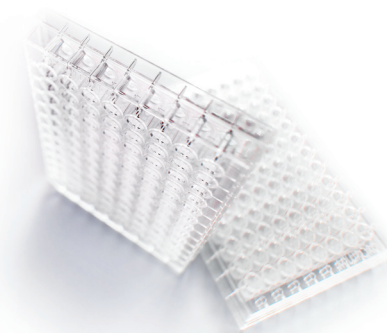


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| Description | Qty | Catalogue No. |
|---|-----|---------------|
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| Includes | | |
| Direct Detect™ Spectrometer | 1 | |
| Universal Power Adapter | 1 | |
| Dell Latitude™ 2120 Netbook and power adapter | 1 | |
| Direct Detect™ Software | 1 | |
| Netbook Stand | 1 | |
| Spotting Tray | 1 | |
| Ethernet Cable | 1 | |
| Direct Detect™ Assay-free Cards (50/pk) | 1 | |
| Direct Detect™ Assay-free Cards (50/pk) | 1 | DDAC00010-GR |
| Direct Detect™ Assay-free Cards (50/pk) | 4 | DDAC00010-4P |
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As we continue to expand our magnetic bead-based multiplexing portfolio, we need to do some housekeeping to make room for innovative and unique panels targeting new species in emerging areas of research. Consequently, we will be discontinuing some of our non-magnetic bead kits by June 30, 2012*.

Below is a list of soon-to-be discontinued non-magnetic bead panels and the corresponding replacement magnetic bead panels.



| Discontinued Non-Magnetic Catalogue No. | Kit Description Non-Magnetic Bead Panel | Replacement Magnetic Bead Catalogue No. | Kit Description Magnetic Bead Panel |
|---|---|---|-------------------------------------|
| MPXMCYP2-73K | Mouse Cytokine/Chemokine Panel II | MCYP2MAG-73K | Mouse Cytokine/Chemokine Panel II |
| MPXMCYP3-74K | Mouse Cytokine/Chemokine Panel III | MCYP3MAG-74K | Mouse Cytokine/Chemokine Panel III |

* Availability of inventory is subject to depletion of existing inventory.

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