

New Oligo GEArrays with Updated Gene Lists.

- ⌘ **pathway focused:** profile expression of genes associated with a disease state or biological pathway
- ⌘ **easy-to-use:** detection is as easy as developing a Western Blot
- ⌘ **sensitive:** requires as little as 100 ng total RNA

Biomarker Microarrays: (See Page 4)

Human Breast Cancer Biomarker	OHS-402
Human Prostate Cancer Biomarker	OHS-403

See our complete list of GEArray products at:

www.superarray.com/ArrayList.php

RT² Real-Time PCR Assays for Microarray Validation

(See page 8)

- ⌘ **guaranteed:** RT² primer sets amplify single RT-PCR products when used with our master mixes
- ⌘ **whole genome coverage:** primer sets are available for every human, mouse, and rat gene
- ⌘ **convenient:** instrument-specific master mixes for real-time or end-point RT-PCR analysis

Monitor activation of key signaling proteins with CASE™ Kits

(See page 3)

- ⌘ **quantitative:** ELISA-based assay determines level of total and activated form of protein at same time.
- ⌘ **simple:** easy, quantitative, non-radioactive protocol with minimal hands-on time.
- ⌘ **no extractions:** cell-based procedure maintains protein's native activation state

New GEArray Accessory Products

Oligo GEArray® Reagent Kit GA-014

Reagents for 12 Oligo GEArray experiments. Includes reagents for cRNA target synthesis, cRNA purification, array hybridization, and detection in one convenient kit.

ArrayGrade™ Total RNA Isolation Kit GA-013

Reagents and materials for isolation of microarray grade RNA from up to 12 crude cell lysates. Kit is optimized for gene expression analysis and provides superior microarray results. A high yield of quality RNA is obtained with less than 30 minutes of hands-on time (See page 10).

New Pathway-Focused DNA Microarrays

	Human	Mouse
Endothelial Cell Biology	OHS-015	OMM-015*
JAK / STAT Signaling Pathway	OHS-039	OMM-039
Innate & Adaptive Immune Response	OHS-052	
HIV Infection & Host Response	OHS-051	
T-cell & B-cell Activation	OHS-053	OMM-053
TGFβ / BMP Signaling Pathway	OHS-035	OMM-035
Th1-Th2-Th3	OHS-034	OMM-034
Toxicology & Drug Resistance	OHS-401	OMM-401*

* Rat Oligo GEArrays also available

RT² Real-Time PCR Assays

Instrument Specific Master Mixes
2X solution, include SYBR Green Dye, 200 reactions

Instrument	Master Mix Cat. No.
Applied Biosystems	PA-012
BioRad iCycler	PA-011
Generic Real-Time	PA-010

Experimentally verified RT² Primer Sets for every gene in the human, mouse, and rat genomes.

Description	Cat. No.	Size
RT ² Primer Sets	PPX#####A-24	24 reactions
	PPX#####A-200	200 reactions

Use the RT² search engine to find primer sets for your genes of interest:
www.superarray.com/QRSearch.php

CASE Kits provide quantitative data on protein activation without tedious *in vitro* kinase assays or Western Blots

New CASE Kits for NFκB Signaling

Protein	Activation Site	Cat. No.
NFκB p65	S276	FE-007
NFκB p65	S468	FE-006
NFκB p65	S536	FE-005
IκBα p38	T180/Y182	FE-003