

RT² Profiler PCR Arrays are the most accurate and simplest method for analyzing the expression of a focused panel of genes. Each 96- or 384-well plate includes optimized SYBR[®] Green primer assays for a thoroughly researched panel of genes relevant to stem cell differentiation or development. From sample prep to reverse transcription to real-time PCR to data analysis, the RT² PCR Array System enables complete gene expression analysis in a matter of hours.

RT ² Profiler PCR ARRAYS	Human	Mouse	Rat
Cell Cycle	PAHS-020	PAMM-020	PARN-020
Embryonic Stem Cells	PAHS-081	PAMM-081	
Extracellular Matrix and Adhesion Molecules	PAHS-013	PAMM-013	PARN-013
Hedgehog Signaling Pathway	PAHS-078	PAMM-078	
Hematopoietic Stem Cells and Hematopoiesis	PAHS-054		
Homeobox (HOX) Genes	PAHS-083	PAMM-083	
Mesenchymal Stem Cells	PAHS-082	PAMM-082	
Neurogenesis and Neural Stem Cell	PAHS-404	PAMM-404	
Notch Signaling Pathway	PAHS-059	PAMM-059	
Osteogenesis	PAHS-026	PAMM-026	PARN-026
Signal Transduction PathwayFinder™	PAHS-014	PAMM-014	PARN-014
Stem Cell	PAHS-405	PAMM-405	PARN-405
T-Cell and B-Cell Activation	PAHS-053	PAMM-053	
TGFβ / BMP Signaling Pathway	PAHS-035	PAMM-035	PARN-035
Toll-Like Receptor Signaling Pathway	PAHS-018	PAMM-018	PARN-018
Transcription Factors	PAHS-075		
WNT Signaling Pathway	PAHS-043	PAMM-043	PARN-043

PCR Array Accessories	Pack Size #	Catalog #
RT ² First Strand Kit	12 Samples	C-03
RT ² Nano PreAMP cDNA Synthesis Kit	12 Samples	C-06
RT ² FFPE PreAMP cDNA Synthesis Kit	12 Samples	C-07
RT ² PreAMP Primer Mixes (for all RT ² Profiler PCR Arrays)	12 Samples	Various
SYBR [®] Green with ROX [®] Master Mix	2, 12, 24 Arrays	PA-012
SYBR [®] Green with Fluorescein Master Mix	2, 12, 24 Arrays	PA-011
SYBR [®] Green Only Master Mix	2, 12, 24 Arrays	PA-010

Simple Workflow: Compatible with ABI, Bio-Rad, Stratagene, Roche, and Eppendorf instruments.

Well Designed Layout and Controls: Patent-pending controls for gDNA contamination, RNA quality, and general PCR performance.

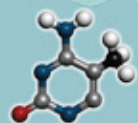
FREE and Easy-to-Use Data Analysis Software: Web-based or Excel-based data analysis templates.

<http://www.SABiosciences.com/pcrarraydataanalysis.php>



Methyl-Profiler™ PCR ARRAY System	Catalog #
Human Stem Cell Transcription Factor DNA Methylation PCR Array	MeAH-511
Human Inflammatory Response DNA Methylation PCR Array	MeAH-521
Human T Cell Activation DNA Methylation PCR Array	MeAH-531
Human Cytokine Production DNA Methylation PCR Array	MeAH-541
Human Cancer DNA Methylation PCR Arrays (Available in 24-gene or 96-gene Panels)	
Breast (MeAH-011), Gastric (MeAH-021), Liver (MeAH-031), Lung (MeAH-041), Prostate (MeAH-051)	
Methyl-Profiler DNA Methylation Enzyme Kit (12 Samples)	MeA-03
Human qPCR Primers for CpG Islands (200 Reactions)	Inquire
Custom Methyl-Profiler PCR Array	Inquire

The Stem Cell Methyl-Profiler DNA Methylation PCR Arrays profile the methylation status of panels of 24 or 96 promoters of transcription factors whose association with stem cell differentiation and development has been documented. A simple restriction enzyme digestion and real-time PCR on your 96- or 384-well instrument, enables analysis of the promoter methylation status of 24 or 96 different transcription factors.



RT ² miRNA PCR ARRAYS	Human	Mouse	Size
Whole Genome : 96-well PCR Array	MAH-100	MAM-100	8 Plates
Whole Genome : 384-well PCR Array	MAH-3100	MAM-3100	2, 12, 24 Plates
Cell Differentiation/Development : 96-well PCR Array	MAH-103	MAM-103	2, 12, 24 Plates
Cell Differentiation/Development : 384-well PCR Array	MAH-3103	MAM-3103	4 Plates
miFinder™ : 96-well PCR Array	MAH-001	MAM-001	2, 12, 24 Plates
miFinder : 384-well PCR Array	MAH-3001	MAM-3001	4 Plates
RT ² qPCR-Grade miRNA Isolation Kit	MA-01	MA-01	12 Samples
RT ² miRNA First Strand Kit	MA-03	MA-03	12 Samples
RT ² miRNA qPCR Assays	Various	Various	200 Reactions

RT² miRNA PCR Arrays feature industry leading specificity & discrimination of closely related miRNA sequences and can distinguish mature miRNA from other RNA species. Our miRNA PCR Arrays include built-in control elements to insure the quality of your experimental data. The free data analysis software converts raw threshold cycle data into figures and tables ready for publication.



ELISArray Cytokine and Chemokine Kits are the simplest simultaneous multi-analyte enzyme-linked immunosorbent assays (ELISA) on the market. Highly specific capture antibodies for key cytokines and chemokines are arrayed on a single 96-well plate. The efficient ELISA protocol enables the detection of 12 cytokines or chemokines, from 8 different samples all under identical conditions.

Multi-Analyte ELISArray Kits	Human	Mouse
Th1 / Th2 / Th17 Cytokines ELISArray	MEH-003	MEM-003
Inflammatory Cytokines ELISArray	MEH-004	MEM-004
Autoimmune Response ELISArray	MEH-005	MEM-005
Common Cytokines ELISArray	MEH-006	MEM-006
TLR-induced Cytokines I: Viral-induced	MEH-007	Inquire
TLR-induced Cytokines II: Microbial-induced	MEH-008	Inquire
Common Chemokines ELISArray	MEH-009	Inquire

SureSilencing siRNA Arrays are the latest technological innovation for conducting functional studies on your pathway using RNA interference (RNAi). Validated siRNA (2 sequences per gene) for 42 key pathway-focused genes (with appropriate RNAi controls) are arrayed on a 96-well plate. Following a simple reverse transfection protocol with validated gene-specific siRNA, you can directly determine the phenotype of the cells on the same plate with colorimetric, luminescent, or fluorescent cell-based assays. SureSilencing siRNA Arrays can quickly identify genes involved in a biological process or disease state, the targets of chemical compounds, and the biological impact of your genes of interest. SureSilencing siRNAs are HPLC-purified synthetic RNA oligos that specifically knockdown the expression of any human, mouse, or rat gene by RNA interference. In one siRNA set, at least two of the four pre-designed siRNA oligos are guaranteed to knockdown the expression of your target gene.

SureSilencing siRNA ARRAYS	Catalog #
Human Apoptosis siRNA Array	SAH-012
Human Transcription Factor siRNA Array	SAH-075
Human NFκB Signaling siRNA Array	SAH-025
Genome-wide siRNA (4 designs / gene)	Inquire

STEM CELL RESEARCH PRODUCT GUIDE

Signal Lenti Reporters	Transcription Factor	Lucif #	GFP #
C/EBP	C/EBP	CLS-001L	
cAMP/PKA	CREB	CLS-002L	CLS-002G
Cell Cycle	E2F/DP1	CLS-003L	
DNA Damage	p53	CLS-004L	
Hypoxia	HIF-1	CLS-007L	CLS-007G
Type I Interferon	STAT1/STAT2	CLS-008L	
Interferon Gamma	STAT1/STAT1	CLS-009L	
MAPK/ERK	Elk-1/SRF	CLS-010L	CLS-010G
MAPK/JNK	AP-1	CLS-011L	CLS-011G
c-Myc	Myc/Max	CLS-012L	
NFκB	NFκB	CLS-013L	CLS-013G
Notch	RBP-Jk	CLS-014L	CLS-014G
PKC/Ca ⁺⁺	NFAT	CLS-015L	
Retinoic Acid	RAR	CLS-016L	
TGFβ	SMAD2/3/4	CLS-017L	
WNT	TCF/LEF	CLS-018L	CLS-018G

Stem Cell Reporters	Transcription Factor	Lucif #	GFP #
Oct4	Oct4	CCS-0025L	
c-Myc	Myc/Max	CCS-012L	
WNT	TCF/LEF	CCS-018L	CCS-018G
Notch	RBP-Jk	CCS-014L	
TGFβ	SMAD2/3/4	CCS-017L	CCS-017G
STAT3	STAT3	CCS-9028L	

Development 10-Pathway Reporter Arrays	Lucif #
Development 10-pathway Reporter Array (tube format)	CCA-003L
Development 10-pathway Reporter Array (plate format)	CCA-103L
Development 10-pathway Lentiviral Reporter Array	CLA-003L

Signal Lenti Reporters are ready-to-transduce lentiviral particles for measuring cell signaling activities in virtually any mammalian cell type. The Lenti Reporters are ideal for experiments with stem cells thanks to their high transduction rate. This system utilizes a unique combination of transcription factor reporter technology coupled with lentiviral delivery power. These reporters are powerful tools for assessing pathway activation or inactivation during cell development and differentiation. For researchers who prefer the transfection method, we also offer transfection-ready Signal reporters.