

miRNome MicroRNA Profilers

Genome Wide qPCR Assays for Expression Profiling

The miRNome microRNA qPCR Arrays come with all the reagents necessary to tag and convert small RNAs into qPCR-ready cDNA using sensitive QuantiMir™ technology. Perform one cDNA synthesis to profile the entire miRNome qPCR Array analysis.

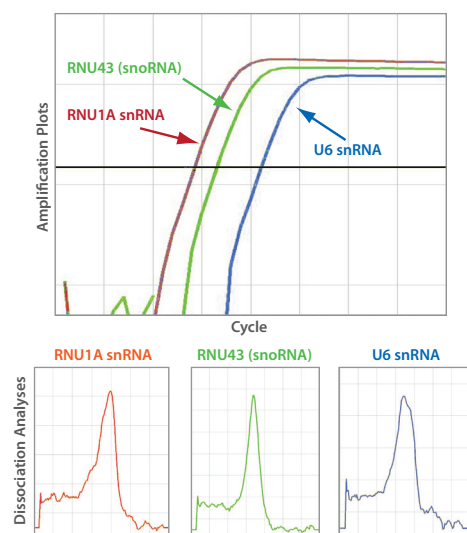
The miRNome Arrays come as pre-formatted 384-well plates for the full Sanger miRBase microRNA registry of human or mouse individual microRNAs, with three endogenous reference RNA controls on each plate.

Human and Mouse miRNome Profilers

- All microRNAs, including all miR star forms
- Human—three 384-well plates of microRNA assays plus controls hsa-U6, RNU43 and U1
- Mouse—two 384-well plates of microRNA assays plus controls mmu-U6 and RNU43 and U1
- Measure the entire miRNome across 20 samples in one kit

Three validated reference controls included on each qPCR array plate

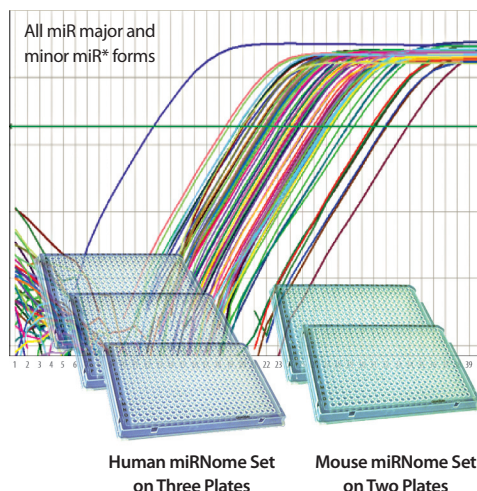
- Perform normalization with high confidence
- Use the geometric mean of all three reference gene Cts for relative qPCR



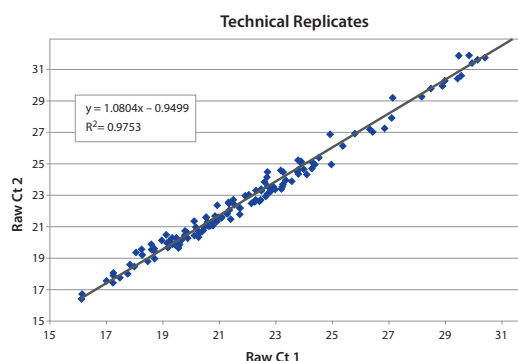
Accurately normalize your microRNA expression profiling data using three reference controls for endogenous housekeeping small RNAs.

100% miRBase Updated

Complete Human & Mouse qPCR Arrays



Excellent Technical Replicates



Highlights

- Real-time qPCR-based microRNA expression profiling system
- SBI's approach rapidly tags and converts all small RNAs into detectable cDNAs for qPCR—one cDNA synthesis required to quantitate the entire microRNA assay set
- Sensitive and quantitative down to picogram amounts of starting total RNA, start with as little 400 ng to profile all microRNAs
- Three endogenous small RNA normalization genes included in arrays (U6, RNU43 and U1)
- Amenable to high-throughput analysis of numerous cell lines, tissues and clinical samples
- Data analysis made easy with $\Delta\Delta Ct$ calculation software included

Profile microRNAs across the entire miRNome with the confidence of qPCR measurements.

miRNome MicroRNA Profilers

microRNA qPCR arrays for Cancer and Stem Cell Profiling

Simultaneously profile 95 different microRNAs and normalize to U6 in pre-formatted 96-well plates. SBI's QuantiMir platform offers simple, robust tagging and conversion of small RNAs into qPCR-ready cDNA. This highly sensitive system allows identification of microRNA biomarkers and expression pattern signatures from as little as **100ng starting total RNA for the entire qPCR array**. SBI's OncoMir and Stem Cell microRNA qPCR Arrays are ideal for HT screening of clinical samples, including biopsies and LCM samples.

OncoMir microRNA qPCR Array

Detect microRNAs most commonly found in Cancer—oncogenic markers, tumor progressive microRNAs and anti-apoptotic microRNAs.

OncoMir MicroRNA qPCR Array Layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	let-7 family	miR-7	miR-92	miR-93	miR-9-1	miR-101	miR-103	miR-106a	miR-106b	miR-107	miR-10b	miR-1
B	miR-122a	miR-125a	miR-125b	miR-126	miR-128b	miR-132	miR-133a	miR-134	miR-135b	miR-136	miR-137	miR-140
C	miR-141	miR-142-3p	miR-143	miR-145	miR-146a	miR-149	miR-150	miR-151	miR-153	miR-154	miR-155	miR-15a
D	miR-15b	miR-16	miR-17-3p	miR-17-5p	miR-181a	miR-181b	miR-181c	miR-181d	miR-183	miR-185	miR-186	miR-188
E	miR-18a	miR-190	miR-191	miR-192	miR-194	miR-195	miR-196a	miR-197	miR-198	miR-199ab	miR-30b	miR-19ab
F	miR-95	miR-20a	miR-200a	miR-200b	miR-200c	miR-202	miR-203	miR-204	miR-205	miR-206	miR-21	miR-210
G	miR-214	miR-215	miR-372	miR-373	miR-218	miR-219	miR-22	miR-488	miR-221	miR-222	miR-223	miR-224
H	miR-23a	miR-24	miR-25	miR-26a	miR-26b	miR-27ab	miR-30c	miR-29abc	miR-30a-3p	miR-30a-5p	miR-296	U6 snRNA

Stem Cell microRNA qPCR Array

Profile microRNAs in Pluripotency and Differentiation—Stem Cell self-renewal, hematopoiesis, neural development and tissue patterning.

Stem Cell MicroRNA qPCR Array Layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	miR-18a	miR-19a	miR-19b	miR-24	miR-25	miR-17-5p	miR-30c	miR-34a	miR-106a	miR-106b	miR-130b	miR-141
B	miR-150	miR-199a	miR-200b	miR-200c	miR-301	miR-302a	miR-302b	miR-302c	miR-302d	miR-367	miR-368	miR-369-5p
C	miR-369-3p	miR-370	miR-371	miR-372	miR-373	let-7a	let-7b	miR-10a	miR-10b	miR-16	miR-17-3p	miR-20a
D	miR-20b	miR-23a	miR-23b	miR-26a	miR-26b	miR-30b	miR-30d	miR-32	miR-33	miR-92	miR-93	miR-99a
E	miR-101	miR-107	miR-126	miR-130a	miR-142-5p	miR-142-3p	miR-146a	miR-146b	miR-155	miR-181a	miR-181b	miR-181c
F	miR-181d	miR-191	miR-193a	miR-193b	miR-197	miR-221	miR-223	miR-339	miR-9	miR-103	miR-124a	miR-125a
G	miR-125b	miR-127	miR-128a	miR-128b	miR-132	miR-134	miR-135a	miR-135b	miR-136	miR-138	miR-149	miR-153
H	miR-154	miR-183	miR-218	miR-219	miR-222	miR-1	miR-122a	miR-133a	miR-133b	miR-195	miR-206	U6 snRNA

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