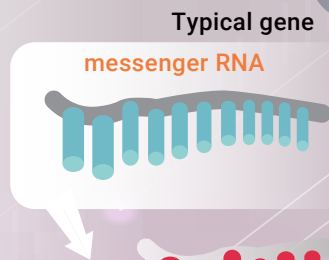
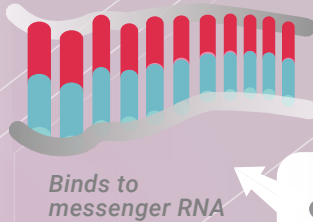


Protein

Direct
protein
assembly



Protein
assembly
is blocked



microRNA
Panel Profiling

mirSCAN™

Rapid Screening of microRNA
Biomarkers for Disease Detection

The mirSCAN™ assay features a carefully selected panel of validated miRNA biomarkers covering a broad range of diseases, preloaded in our PanelChip® for fast and efficient screening. Selected through rigorous literature mining and experimental validation, these biomarkers supports early detection, diagnosis, treatment support, and disease monitoring. With built-in exogenous and endogenous controls, the assay ensures reliable performance and precise quality assessment for every test.



For Research Use Only

Key Features

BROAD BIOMARKER RANGE

Includes a diverse set of validated miRNA biomarkers for comprehensive disease screening

BUILT-IN CONTROLS

Exogenous and endogenous controls ensure reliable results and quality assessment.

HIGH THROUGH PUT

Detects up to 100 targets with a maximum capacity of 6 samples per run

AI-POWERED DATA ANALYSIS

Automated Cq generation for fast and accurate quantification.

Simple and Ultra-fast Workflow

The advanced mirSCAN™ RT-qPCR platform provides complete results from RNA samples to Cq values in just 90 mins. With streamlined sample loading—completed in 3 simple steps within 10 seconds—mirSCAN™ offers unmatched speed and ease.

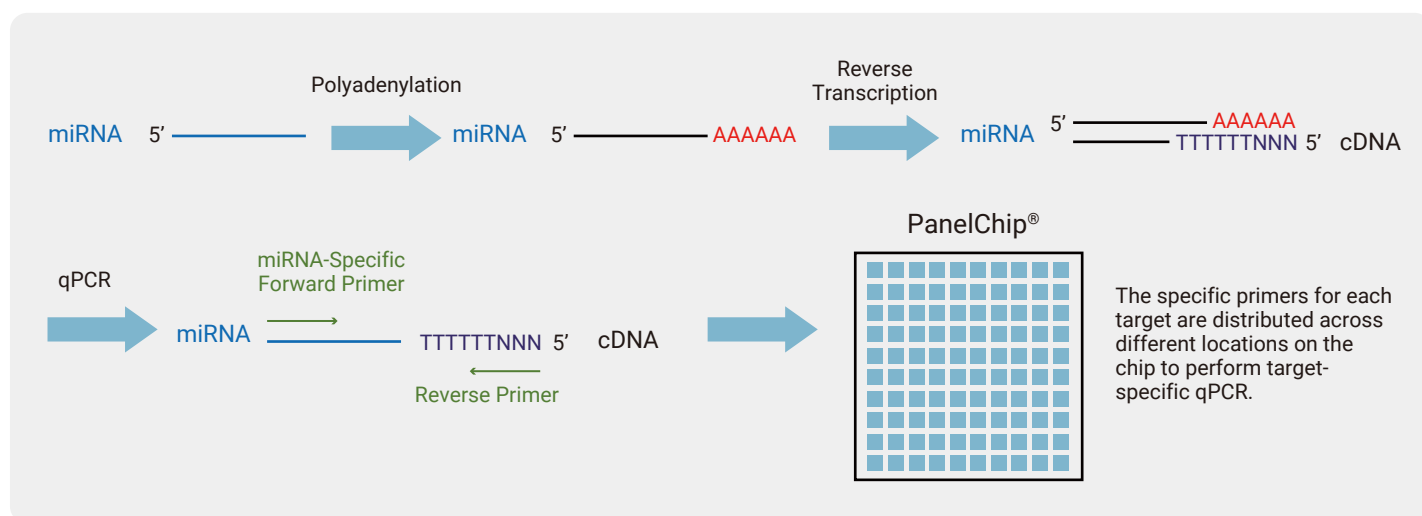
- Pre-arranged PanelChip® with miRNA primers for effortless setup
- Validated assays to ensure high reproducibility and precision
- Sample loading can be completed within 10 seconds
- AI-powered algorithm for automated Cq generation and analysis
- Built-in spike-in controls for enhanced accuracy

mirSCAN™ redefines efficiency, empowering researchers with quick, high-quality miRNA results and minimal hands-on time.



Precision miRNA Detection

mirSCAN™ miRNA detection utilizes a poly(A) tailing with an oligo-dT RT primer to generate cDNA for all miRNAs. In qPCR, a miRNA-specific forward primer and a reverse primer complementary to the oligo-dT sequence are used to amplify each target miRNA. An AI algorithm are employed to generate accurate Cq values, ensures high sensitivity and reliable miRNA profiling.

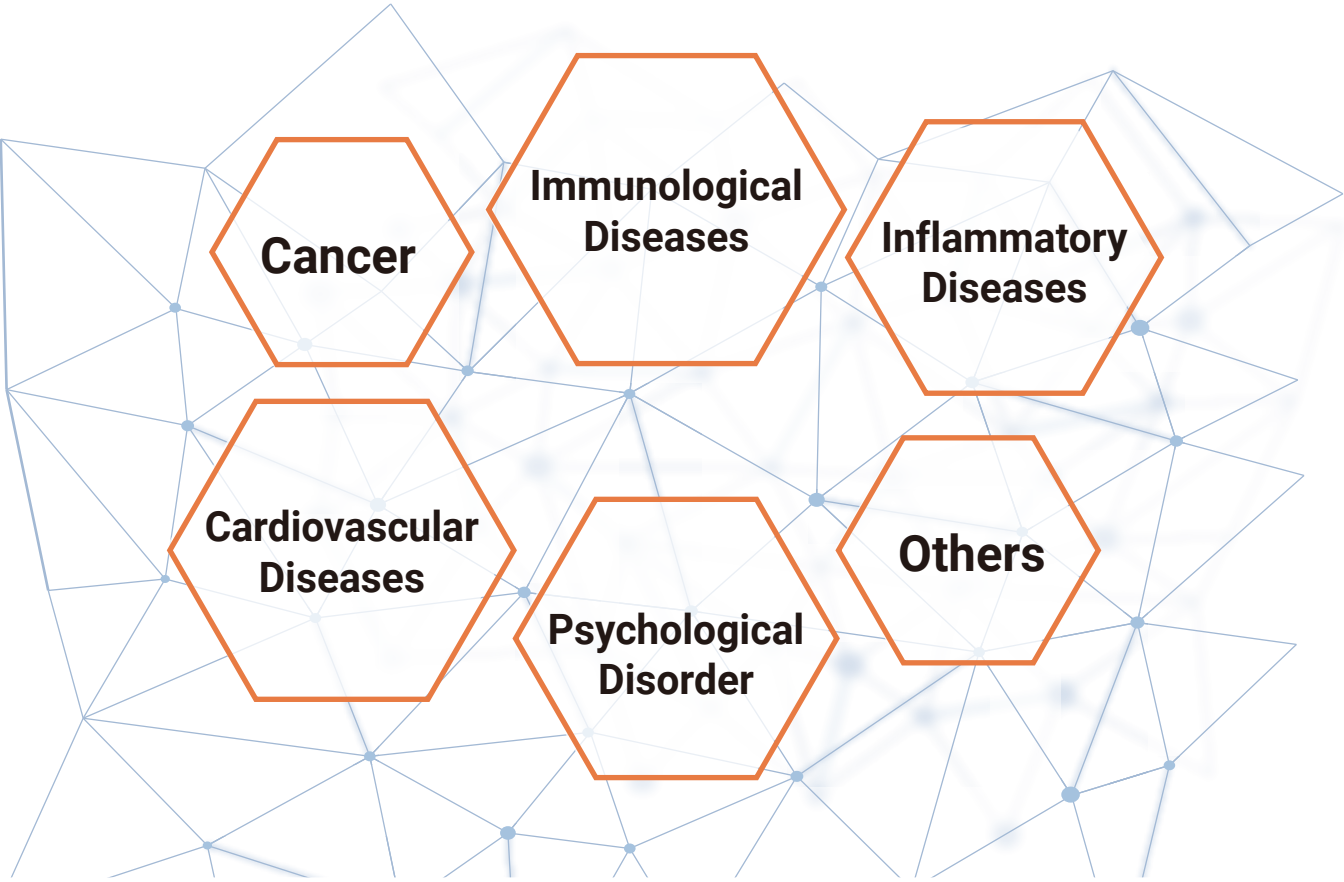


Our Panel Covers:

Category	Target	Category	Target	Category	Target
miRNA	hsa-miR-1-3p	miRNA	hsa-miR-130a-3p	miRNA	hsa-miR-483-5p
miRNA	hsa-let-7a-5p	miRNA	hsa-miR-130b-3p	miRNA	hsa-miR-484
miRNA	hsa-let-7b-5p	miRNA	hsa-miR-133a-3p	miRNA	hsa-miR-486-5p
miRNA	hsa-miR-7-5p	miRNA	hsa-miR-140-5p	miRNA	hsa-miR-574-3p
miRNA	hsa-miR-9-5p	miRNA	hsa-miR-141-3p	miRNA	hsa-miR-574-5p
miRNA	hsa-miR-15a-5p	miRNA	hsa-miR-142-3p	miRNA	hsa-miR-589-5p
miRNA	hsa-miR-15b-5p	miRNA	hsa-miR-143-3p	miRNA	hsa-miR-596
miRNA	hsa-miR-16-5p	miRNA	hsa-miR-145-5p	miRNA	hsa-miR-652-3p
miRNA	hsa-miR-19a-3p	miRNA	hsa-miR-146a-5p	miRNA	hsa-miR-660-5p
miRNA	hsa-miR-19b-3p	miRNA	hsa-miR-146b-5p	miRNA	hsa-miR-885-5p
miRNA	hsa-miR-20a-5p	miRNA	hsa-miR-150-5p	*miRNA	hsa-miR-10a-5p
miRNA	hsa-miR-21-5p	miRNA	hsa-miR-151a-3p	*miRNA	hsa-miR-10b-5p
miRNA	hsa-miR-22-3p	miRNA	hsa-miR-152-3p	*miRNA	hsa-miR-29a-5p
miRNA	hsa-miR-23a-3p	miRNA	hsa-miR-155-5p	*miRNA	hsa-miR-95-3p
miRNA	hsa-miR-24-3p	miRNA	hsa-miR-181a-5p	*miRNA	hsa-miR-133b
miRNA	hsa-miR-26a-5p	miRNA	hsa-miR-181b-5p	*miRNA	hsa-miR-134-5p
miRNA	hsa-miR-27a-3p	miRNA	hsa-miR-182-5p	*miRNA	hsa-miR-200b-3p
miRNA	hsa-miR-28-3p	miRNA	hsa-miR-183-5p	*miRNA	hsa-miR-200c-3p
miRNA	hsa-miR-29a-3p	miRNA	hsa-miR-191-5p	*miRNA	hsa-miR-203a-3p
miRNA	hsa-miR-29c-3p	miRNA	hsa-miR-192-5p	*miRNA	hsa-miR-208b-3p
miRNA	hsa-miR-30a-5p	miRNA	hsa-miR-193b-3p	*miRNA	hsa-miR-216a-5p
miRNA	hsa-miR-30b-5p	miRNA	hsa-miR-195-5p	*miRNA	hsa-miR-299-5p
miRNA	hsa-miR-30c-5p	miRNA	hsa-miR-197-3p	*miRNA	hsa-miR-302d-3p
miRNA	hsa-miR-30d-5p	miRNA	hsa-miR-199a-5p	*miRNA	hsa-miR-372-3p
miRNA	hsa-miR-30e-5p	miRNA	hsa-miR-202-3p	*miRNA	hsa-miR-376c-3p
miRNA	hsa-miR-31-5p	miRNA	hsa-miR-205-5p	*miRNA	hsa-miR-429
miRNA	hsa-miR-34a-5p	miRNA	hsa-miR-206	*miRNA	hsa-miR-450a-5p
miRNA	hsa-miR-92a-3p	miRNA	hsa-miR-210-3p	*miRNA	hsa-miR-518a-5p
miRNA	hsa-miR-93-5p	miRNA	hsa-miR-214-3p	*miRNA	hsa-miR-539-5p
miRNA	hsa-miR-99b-5p	miRNA	hsa-miR-217-5p	*miRNA	hsa-miR-579-3p
miRNA	hsa-miR-100-5p	miRNA	hsa-miR-221-3p	*miRNA	hsa-miR-718
miRNA	hsa-miR-101-3p	miRNA	hsa-miR-222-3p	*miRNA	hsa-miR-1225-3p
miRNA	hsa-miR-103a-3p	miRNA	hsa-miR-223-3p	*miRNA	hsa-miR-1973
miRNA	hsa-miR-122-5p	miRNA	hsa-miR-335-5p	Control	hsa-18s rRNA
miRNA	hsa-miR-125a-5p	miRNA	hsa-miR-361-5p	Control	GAPDH Intron
miRNA	hsa-miR-125b-5p	miRNA	hsa-miR-375-3p	Control	miRNA extraction
miRNA	hsa-miR-126-3p	miRNA	hsa-miR-409-3p		control
miRNA	hsa-miR-127-3p	miRNA	hsa-miR-423-5p	Control	miRNA qPCR control
miRNA	hsa-miR-128-3p	miRNA	hsa-miR-425-5p	Control	miRNA RT control
miRNA	hsa-miR-129-5p	miRNA	hsa-miR-451a		

Note: miRNA marked with an asterisk (*) indicate customizable options, which can be tailored to meet specific research needs upon request.

Relevant Diseases



Ordering Information

Product Name	Materials	Package Size
mirSCAN™ V3	microRNA Universal RT Kit	24 Assays
	mirSCAN™ V3 Assay Kit	
	mirSCAN™ V3 PanelChip®	
Customized	For inquires, please contact us	

For more information, please contact : info@quarkbiotechnology.com