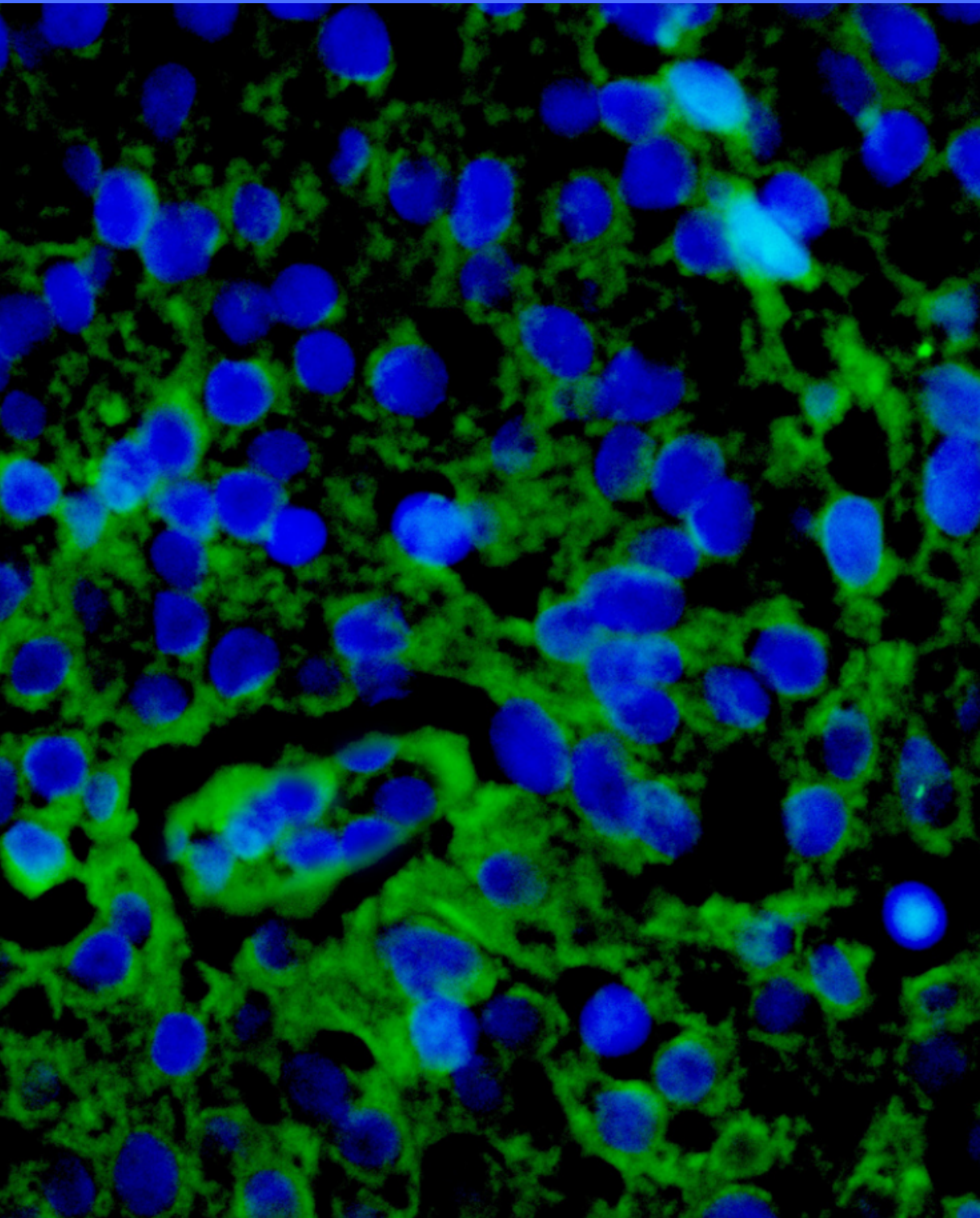


miRNAveu



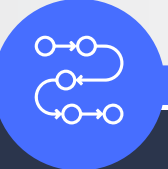
Multiplexing miRNAs with miRNAveu

Omicuveu designs, develops, and commercializes state-of-the-art fully integrated, and automated plug and play systems for multiplex multiomics. Our NanoVIP instrument reduces hands-on time, reduces cost per reaction/assay, reduces totally assay turnaround time while not requiring highly skilled manpower.

Our miRNAveu portfolio contains more than 220 miRNA probes that have been validated. We can also custom-design miRNA probes with a variety of conjugated fluorophores.

Our high-melting temperature oligo technology in combination with multiple reporter molecule are incorporated into design probes with enhanced binding affinity and specificity with the target miRNAs.

This results in higher sensitivity in miRNA detection. miRNA probes compatible with multiplexing are designed, enabling the simultaneous detection of multiple miRNAs in a single sample.



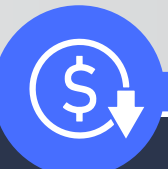
Designed to identify cancer of unknown primary, staging and grading cancers



High Reproducibility, Sensitivity and Specificity with NanoVIP®



Reduced hands-on time with NanoVIP®



Reduced reagent cost by 80% with NanoVIP®



Super-sensitive
probes detect
visualization of
miRNAs



High melting
temperatures
allow enable high
stringency washes
to remove
non-specific
binding probes



Probes are end- labeled
with a fluorophore
using a proprietary
micro-polymer complex
for intense signal
amplification while
keeping background to
a minimum

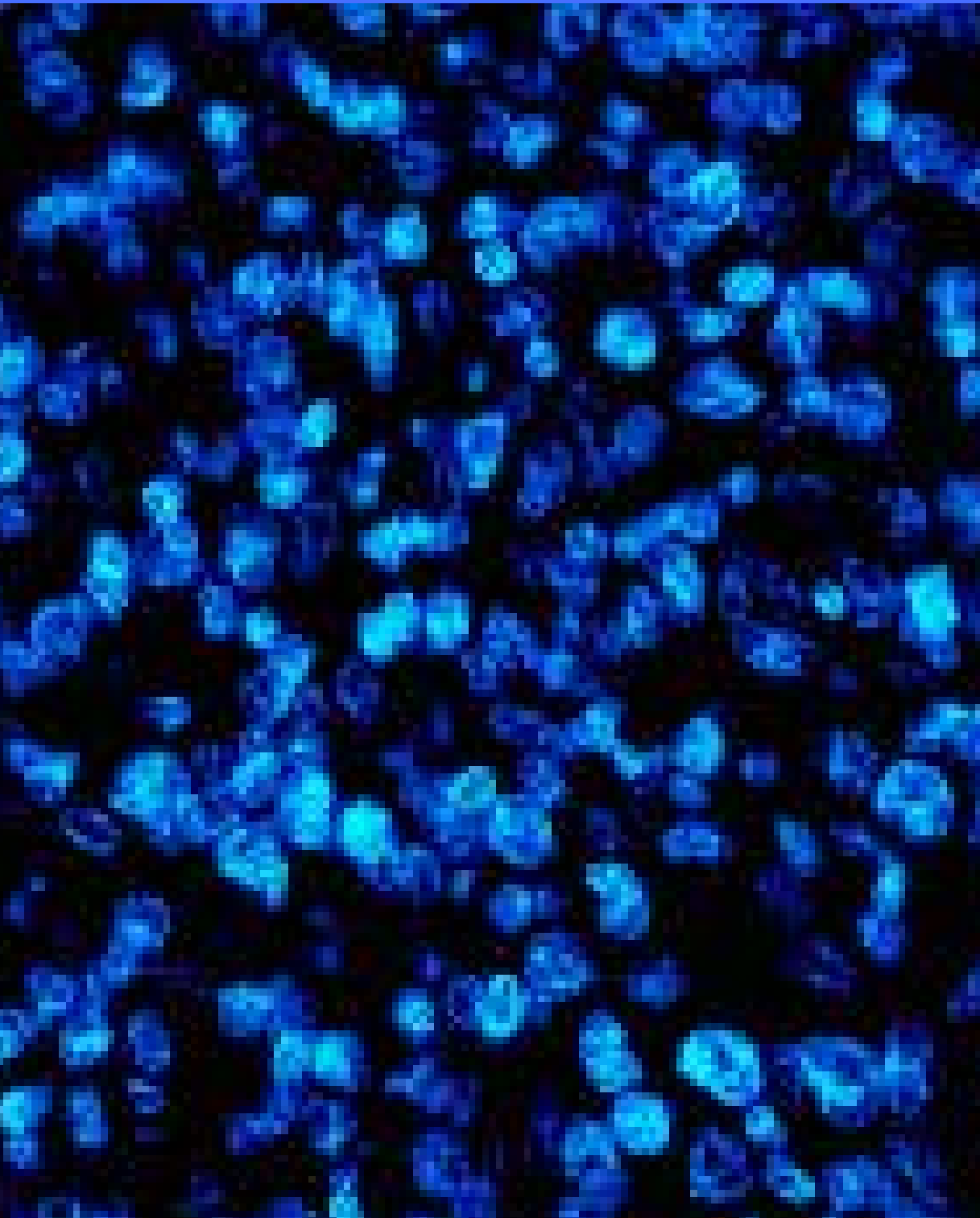
miRNAveu Probes



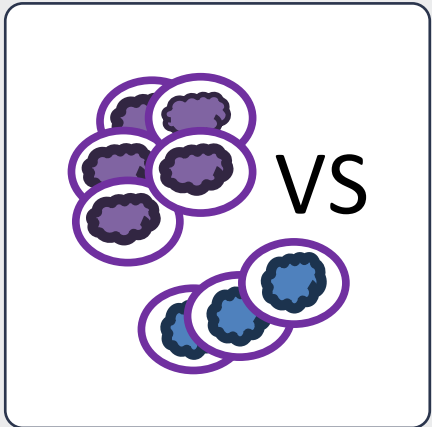
★★★★★CAGCCGCTGTCACACGCACAG★★★★★

-----GTCGGCGACAGTGTGCGTGTC-----

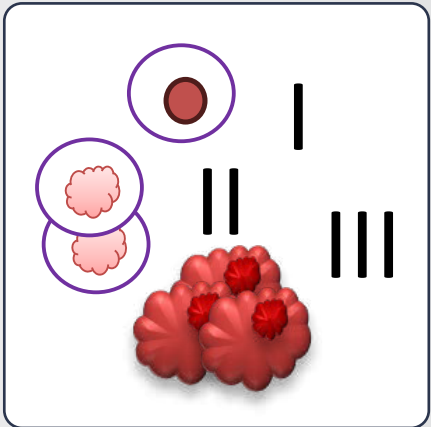
Hybridization to target miRNA



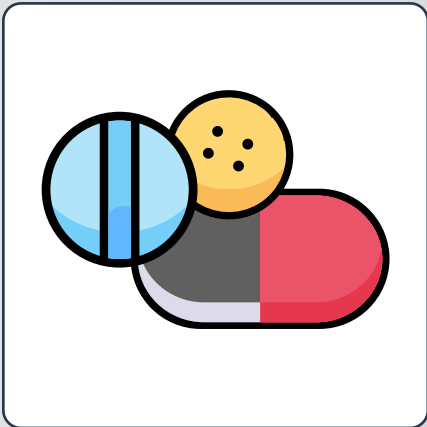
miRNAveu Potential Applications



Differentiate
Tumor types



Correlates
Tumor Grade



Targeted Drug
Therapies

The dynamic role of miRNAs within various cell types gives them the potential to serve as promising biomarkers in diagnostic, prognostic and targeted therapy practices.

miRNAs are multifaceted and can be used for differentiation of malignant and benign tumors, early-stage cancer detection marker, identification of cancer of unknown primary, and differentiation of cancer subtypes.

miRNA expression profiles are also capable of grading, staging of cancer subtypes, and classifying undifferentiated and poorly differentiated tumors.

NanoVIP® for miRNAveu

NanoVIP® System offers products consisting of fully automated staining system, ready-to-use probes, multiplexing capabilities, visualization kits, and consumables for miRNAveu

Eco-friendly, green, and xylene-free system produces low-quantity of waste from buffer washes

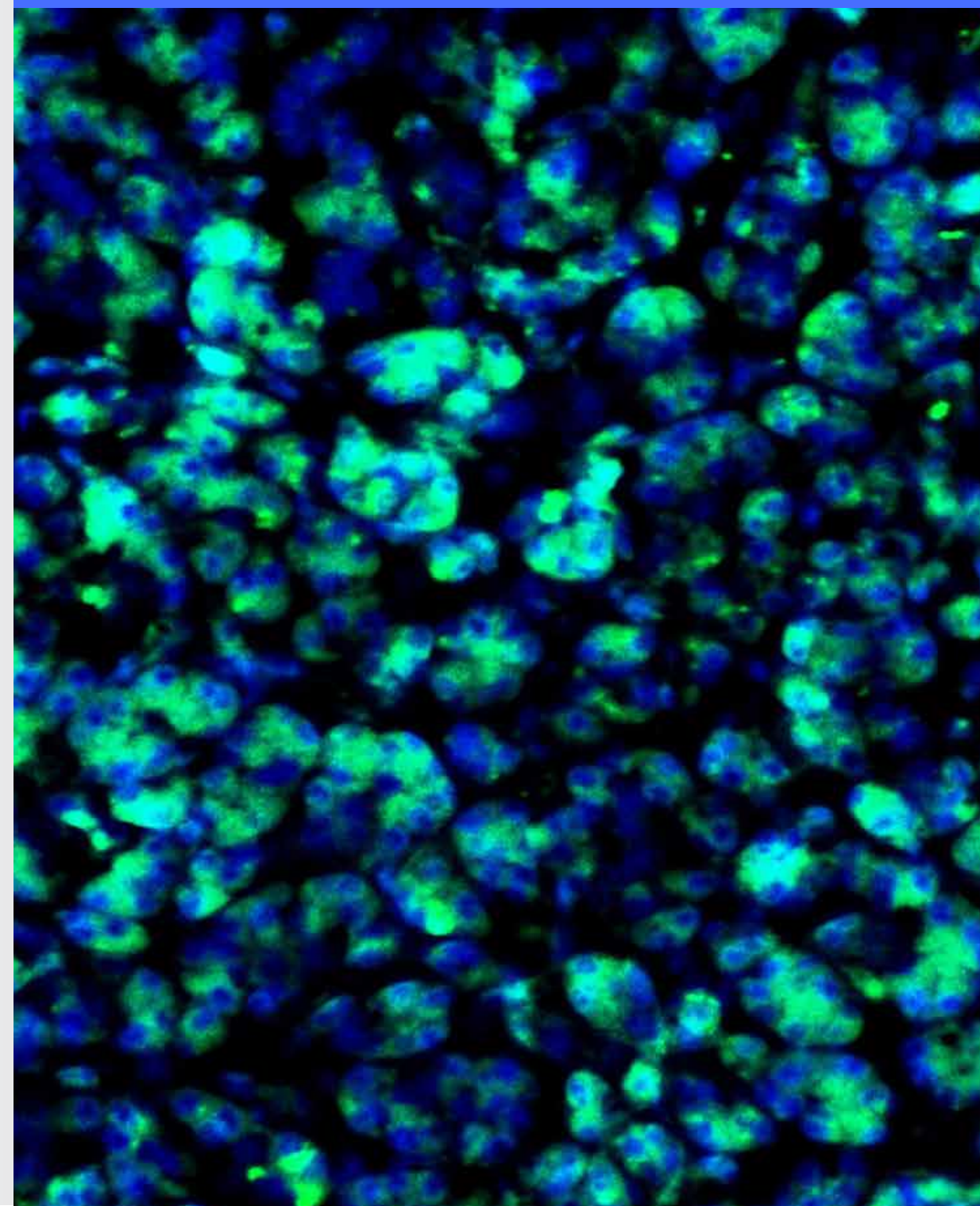
NanoVIP®, All-in-One fully automated system from microtome to slides ready for imaging

Incorporates rounds of staining, stripping, and removal of coverslip to prepare for second miRNA probe run



Pancreas Tumor Tissue

miRNA 541



miRNA Probes

Product Name	Catalog No.
HSA-miR-LET-7a	FM007a-25
HSA-miR-15a	FM015a-25
HSA-miR-15b	FM015b-25
HSA-miR-1	FM001-25
HSA-miR-17	FM017-25
HSA-miR-17-3p	FM017-3p-25
HSA-miR-18a	FM018a-25
HSA-miR-21-3p	FM021-3p-25
HSA-miR-27a	FM027a-25
HSA-miR-30c	FM030c-25
HSA-miR-30e	FM030e-25
HSA-miR-31	FM031-25
HSA-miR-92a	FM092a-25
HSA-miR-95	FM095-25
HSA-miR-99b	FM099b-25

Product Name	Catalog No.
HSA-miR-1258	FM1258-25
HSA-miR-126	FM126-25
HSA-miR-1285	FM1285-25
HSA-miR-130b	FM130b-25
HSA-miR-132	FM132-25
HSA-miR-135b	FM135b-25
HSA-miR-137	FM137-25
HSA-miR-149	FM149-25
HSA-miR-150	FM150-25
HSA-miR-151a-3p	FM151a-3p-25
HSA-miR-153	FM153-25
HSA-miR-16	FM016-25
HSA-miR-181a	FM181a-25
HSA-miR-181b	FM181b-25
HSA-miR-181c	FM181c-25

Product Name	Catalog No.
HSA-miR-183	FM183-25
HSA-miR-184	FM184-25
HSA-miR-185	FM185-25
HSA-miR-186	FM186-25
HSA-miR-192	FM192-25
HSA-miR-195	FM195-25
HSA-miR-196a	FM196a-25
HSA-miR-198	FM198-25
HSA-miR200b	FM200b-25
HSA-miR-206	FM206-25
HSA-miR-210	FM210-25
HSA-miR-212	FM212-25
HSA-miR-214	FM214-25
HSA-miR-215	FM215-25
HSA-miR-216a	FM216a-25

miRNA Probes

Product Name	Catalog No.
HSA-miR-218	FM218-25
HSA-miR-23a	FM023a-25
HSA-miR-24-2-5p	FM024-2-5p-25
HSA-miR-362	FM362-25
HSA-miR-372	FM372-25
HSA-miR-373	FM373-25
HSA-miR-374b	FM374b-25
HSA-miR-375	FM375-25
HSA-miR-410	FM410-25
HSA-miR-412	FM412-25
HSA-miR-450b-3p	FM450b-3p-25
HSA-miR-483	FM483-25
HSA-miR-497	FM497-25
HSA-miR-517-3p	FM517-3p-25
HSA-miR-520	FM520-25

Product Name	Catalog No.
HSA-miR-541	FM541-25
HSA-miR-590	FM590-25
HSA-miR-614	FM614-25
HSA-miR-622	FM622-25
HSA-miR-628	FM628-25
HSA-miR-718	FM718-25
HSA-miR-940	FM940-25
HSA-miR-26a	FM026a-25
HSA-miR-27b	FM027b-25
HSA-miR-28-3p	FM028-3p-25
HSA-miR-30b	FM030b-25
HSA-miR-96	FM096-25
HSA-miR-101-3p	FM101-3p-25
HSA-miR-107	FM107-25
HSA-miR-1181	FM1181-25

Product Name	Catalog No.
HSA-miR-124	FM124-25
HSA-miR-1247	FM1247-25
HSA-miR-125a	FM125a-25
HSA-miR-127-3p	FM127-3p-25
HSA-miR-1296	FM1296-25
HSA-miR-133b	FM133b-25
HSA-miR-135a	FM135a-25
HSA-miR-142-3p	FM142-3p-25
HSA-miR-146a	FM146a-25
HSA-miR-146b	FM146b-25
HSA-miR-147b	FM147b-25
HSA-miR-148a	FM148a-25
HSA-miR-148b	FM148b-25
HSA-miR-152	FM152-25
HSA-miR-154	FM154-25

miRNA Probes

Product Name	Catalog No.
HSA-miR-182	FM182-25
HSA-miR-187	FM187-25
HSA-miR-191	FM191-25
HSA-miR-203a	FM203a-25
HSA-miR-204	FM204-25
HSA-miR-211	FM211-25
HSA-miR-216b	FM216b-25
HSA-miR-221-3p	FM221-3p-25
HSA-miR-224	FM224-25
HSA-miR-29a	FM029a-25
HSA-miR-300	FM300-25
HSA-miR-329	FM329-25
HSA-miR-330	FM330-25
HSA-miR-337	FM337-25
HSA-miR-342-3p	FM342-3p-25

Product Name	Catalog No.
HSA-miR-374a	FM374a-25
HSA-miR-376	FM376-25
HSA-miR-381	FM381-25
HSA-miR-409-3p	FM409-3p-25
HSA-miR-423-3p	FM423-3p-25
HSA-miR-429	FM429-25
HSA-miR-486	FM486-25
HSA-miR-495	FM495-25
HSA-miR-505	FM505-25
HSA-miR-508-3p	FM508-3p-25
HSA-miR-509-3p	FM509-3p-25
HSA-miR-511	FM511-25
HSA-miR-545-5p	FM545-5p-25
HSA-miR-573	FM573-25
HSA-miR-574-3p	FM574-3p-25

Product Name	Catalog No.
HSA-miR-615	FM615-25
HSA-miR-625	FM625-25
HSA-miR-638	FM638-25
HSA-miR-641	FM641-25
HSA-miR-663a	FM663a-25
HSA-miR-765	FM765-25
HSA-miR-944	FM944-25
HSA-miR-222	FM222-25
U6	FM00U6-25
HSA-miR-642	FM642-25
HSA-miR-142	FM142-25
HSA-miR-328	FM328-25
HSA-miR-145	FM145-25
HSA-miR-125b	FM125b-25
HSA-miR-155	FM155-25

miRNA Probes

Product Name	Catalog No.
HSA-miR-34c	FM034c-25
HSA-miR-338	FM338-25
HSA-miR-100	FM100-25
HSA-miR-34a	FM034a-25
HSA-miR-21	FM021-25
HSA-miR-LET-7b	FM007b-25
HSA-miR-133a	FM133a-25
HSA-miR-9	FM009-25
HSA-miR-422a	FM422a-25
HSA-miR-29c	FM29c-25
HSA-miR-LET-7c	FM007c-25
HSA-miR-629	FM629-25
HSA-miR-383	FM383-25
HSA-miR-708	FM708-25
HSA-miR-194	FM194-25

Product Name	Catalog No.
HSA-miR-200c	FM200c-25
HSA-miR-23b	FM023b-25
HSA-miR-10b	FM010b-25
HSA-miR-141	FM141-25
HSA-miR-200a	FM200a-25
HSA-miR-335	FM335-25
HSA-miR-331-3p	FM331-3p-25
HSA-miR-199a	FM199a-25
HSA-miR-LET-7e	FM007e-25
HSA-miR-98	FM098-25
HSA-miR-136	FM136-25
HSA-miR-217	FM217-25
HSA-miR-101	FM101-25
HSA-miR-197	FM197-25
HSA-miR-610	FM610-25

Product Name	Catalog No.
HSA-miR-193a	FM193a-25
HSA-miR-365a-3p	FM365a-3p-25
HSA-miR-9500	FM9500-25
HSA-miR-627	FM627-25
HSA-miR-223	FM223-25
HSA-miR-138	FM138-25
HSA-miR-19a	FM019a-25
HSA-miR-122	FM122-25
HSA-miR-144	FM144-25
HSA-miR-99a	FM099a-25
HSA-miR-424	FM424-25
HSA-miR-494	FM494-25
HSA-miR26b	FM026b-25
HSA-miR-544	FM544-25
HSA-miR-449a	FM449a-25

miRNA Probes

Product Name	Catalog No.
HSA-miR-143	FM143-25
HSA-miR-648	FM648-25
HSA-miR-874	FM874-25
HSA-miR-25	FM025-25
HSA-miR-1297	FM1297-25
HSA-miR-510	FM510-25
HSA-miR-425	FM425-25
HSA-miR-193b	FM193b-25
HSA-miR-379	FM379-25
HSA-miR-20a	FM020a-25
HSA-miR-129	FM129-25
HSA-miR-140	FM140-25
HSA-miR-451	FM451-25
HSA-miR-532	FM532-25
HSA-miR-378a	FM378a-25

Product Name	Catalog No.
HSA-miR-22	FM022-25
HSA-miR-106a	FM106a-25
HSA-miR-29b	FM029b-25
HSA-miR-486-3p	FM486-3p-25
HSA-miR-630	FM630-25
HSA-miR-650	FM650-25
HSA-miR-802	FM802-25
HSA-miR-183-3p	FM183-3p-25
HSA-miR-19b-3p	FM19b-3p-25
HSA-miR-205	FM205-25
HSA-miR-24-3p	FM024-3p-25
HSA-miR-28-5p	FM028-5p-25
HSA-miR-296	FM296-25
HSA-miR-297	FM297-25
HSA-miR-339-3p	FM339-3p-25

Product Name	Catalog No.
HSA-miR-361	FM361-25
HSA-miR-4723	FM4723-25
HSA-miR-502	FM502-25
HSA-miR-LET-7g	FM007g-25
HSA-miR-LET-7d	FM007d-25
HSA-miR-224	FM224-H-25
HSA-miR-181c	FM181c-H-25
HSA-miR-27a	FM027a-H-25
HSA-miR-1306-5p	FM1306-5P-C3-25
HSA-miR-4765	FM4765-C3-25
HSA-miR-199b-5p	FM199b-5p-C3-25

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