

Catalog No. AM100052

50 Reactions

To be used in conjunction with the Vantage™ microRNA Detection Kit, catalog number AM100091 (50 reactions) or AM100092 (200 reactions).

Components included in this kit:

Component	Amount
Prostate Cancer Panel 1 Bead Mix	400 µL

Handling Instructions

The kit is shipped on ice packs. Upon receipt, store all components at 2-8°C.

Related Products

Catalog Number

Vantage™ microRNA Detection Kit (50 reactions)	AM100091
Vantage™ microRNA Detection Kit (200 reactions).....	AM100092
Vantage™ Total RNA Purification Kit	NP100026
Vantage™ microRNA Purification Kit	NP100028
Vantage™ microRNA Labeling Kit.....	AM100044
Vantage™ Oncology Panel 1.....	AM100045
Vantage™ Pancreatic Cancer Panel 1	AM100046
Vantage™ Breast Cancer Panel 1	AM100047
Vantage™ Ovarian Cancer Panel 1.....	AM100098
Vantage™ Cardiac Panel 1	AM100049
Vantage™ Diabetes Panel 1.....	AM100050
Vantage™ Hypoxia Panel 1	AM100051
Vantage™ miR-Plex Control.....	AM100090

Sequences and Nomenclature

The sequences and nomenclature of the mature microRNAs were obtained from the [miRBase Sequence Database](#) version 14.0, released in September 2009. Names annotated with (*) indicate a mature microRNA sequence that originated from a stem-loop molecule that generated two mature microRNA sequences. In these cases, one mature sequence has a standard name while the other sequence from the same stem-loop has an annotated name (*).

xMAP® Bead Region	Human microRNA Nomenclature	Human microRNA mature sequence	Equivalent Mouse (Mus musculus)	Equivalent Rat (Rattus norvegicus)
5	hsa-miR-100	AACCCGUAGAUCCGAACUUGUG	mmu-miR-100	rno-miR-100
6	hsa-miR-106a	AAAAGUGCUUACAGUGCAGGUAG	mmu-miR-106a	NA
10	hsa-miR-125b	UCCCUGAGACCCUAACUUGUGA	mmu-miR-125b-5p	rno-miR-125b-5p
25	hsa-miR-205	UCCUUCAUUCACCGGAGUCUG	mmu-miR-205	rno-miR-205
27	hsa-miR-21	UAGCUUAUCAGACUGAUGUUGA	mmu-miR-21	rno-miR-21
38	hsa-miR-34a	UGGCAGUGUCUJAGCUGGUUGU	mmu-miR-34a	rno-miR-34a
54	hsa-miR-200a	UAACACUGUCUGGUAAACGAUGU	mmu-miR-200a	rno-miR-200a
62	hsa-miR-107	AGCAGCAUUGUACAGGGCUAUCA	mmu-miR-107	rno-miR-107
63	hsa-miR-200b	UAAUACUGCCUGGUAAUGAUGA	mmu-miR-200b	rno-miR-200b
65	hsa-miR-23a/b	AUCACAUUGCCAGGGAUUUCC	mmu-miR-23a/b	rno-miR-23a/b
73	hsa-miR-200c	UAAUACUGCCGGGUAAUGAUGGA	mmu-miR-200c	rno-miR-200c
83	hsa-miR-141	UAACACUGUCUGGUAAAGAUGG	mmu-miR-141	rno-miR-141
86	hsa-miR-145	GUCCAGUUUCCAGGAAUCCCU	mmu-miR-145	rno-miR-145
88	hsa-miR-320a	AAAAGCUGGGUUGAGAGGGCGA	NA	NA
91	hsa-mir-146a	UGAGAACUGAAUCCAUGGGUU	mmu-miR-146a	rno-miR-146a
93	hsa-miR-184	UGGACGGAGAACUGAUAGGGU	mmu-miR-184	rno-miR-184
94	hsa-miR-191	CAACGGAAUCCAAAAGCAGCUG	mmu-miR-191	rno-miR-191
95	hsa-miR-198	GGUCCAGAGGGGAGAUAGGUUC	NA	NA
49	5.8S Ribosomal RNA			

miR-plex™ Control Panel (Catalog # AM100090)

The miR-Plex™ Control is a mix of seven biotinylated microRNAs that can be used as controls for the Vantage™ microRNA Detection Panels. The miR-plex™ Control Panel panel contains labeled microRNA comprising miR-1, miR-107, miR0126, miR-203, miR-21, miR-9, and 5.8S ribosomal RNA. When used in place of a labeled RNA sample, the following results should be obtained

Detection Panel	Cat. No.	miR-1	miR-107	miR-126	miR-203	miR-21	miR-9	5.8S
Prostate Cancer	AM100052	Low	Low	Neg	Neg	Neg	Neg	High

Terms and Conditions

By opening this Assay Product (which contains fluorescently labeled microsphere beads authorized by Luminex Corporation) or using this Assay Product in any manner, you are consenting to be bound by the following terms and conditions. You are also agreeing that the following terms and conditions constitute a legally valid and binding contract that is enforceable against you. If you do not agree to all of the terms and conditions set forth below, you must promptly return this Assay Product for a full refund prior to using it in any manner. You, the customer, acquire the right under Luminex Corporation’s patent rights, if any, to use this Assay Product or any portion of this Assay Product, including without limitation the microsphere beads contained herein, only with Luminex Corporation’s laser based fluorescent under the name Luminex Instrument.

Safety and Use Statement

All biological materials should be handled as potentially hazardous. Follow universal precautions as established by the Centers for Disease Control and Prevention and by the Occupational Safety and Health Administration when handling and disposing of potentially infectious or hazardous agents.

This product is authorized for laboratory research use only. The product has not been qualified or found safe and effective for any human or animal diagnostic application. Uses other than the labeled intended use may be a violation of applicable law. If you have any questions concerning the use of this product, please contact OriGene Technologies, Inc. at 1-888-267-4436 (301-340-3188 outside the US) or visit www.origene.com.

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