

Catalog No. AM100045

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
Oncology Panel 1 Bead Mix	400 µL

Handling Instructions

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

Table of microRNAs and xMAP® Bead Regions

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™ Pancreatic Cancer Panel 1	AM100046
Vantage™ Breast Cancer Panel 1	AM100047
Vantage™ Ovarian Cancer Panel 1	AM100048
Vantage™ Cardiac Panel 1	AM100049
Vantage™ Diabetes Panel 1	AM100050
Vantage™ Hypoxia Panel 1	AM100051
Vantage™ Prostate Cancer Panel 1	AM100052
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)
1	hsa-let-7a	UGAGGUAGUAGGUUGUAUAGUU	mmu-let-7a	rno-let-7a
2	hsa-let-7c	UGAGGUAGUAGGUUGUAUGGUU	mmu-let-7c	rno-let-7c
3	hsa-let-7g	UGAGGUAGUAGUUUGUACAGUU	mmu-let-7g	
4	hsa-let-7i	UGAGGUAGUAGUUUGUGCUGUU	mmu-let-7i	rno-let-7i
5	hsa-miR-100	AACCCGUAGAUCCGAACUUGUG	mmu-miR-100	rno-miR-100
6	hsa-miR-106a	AAAAGUGCUUACAGUGCAGGUAG	mmu-miR-106a	
7	hsa-miR-10a	UACCCUGUAGAUCCGAAUUUGUG	mmu-miR-10a	rno-miR-10a-5p
8	hsa-miR-10b	UACCCUGUAGAACCGAAUUUGUG	mmu-miR-10b	rno-miR-10b
9	hsa-miR-125a-5p	UCCCUGAGACCCUUUAACCUUGUGA	mmu-miR-125a-5p	rno-miR-125a-5p
10	hsa-miR-125b	UCCCUGAGACCCUAACUUGUGA	mmu-miR-125b-5p	rno-miR-125b-5p
11	Not in use			
12	Not in use			
13	hsa-miR-132*	ACCGUGGCUUUCGAUUGUUACU		
14	hsa-miR-135a	UAUGGCUUUUUUAUCCUAUGUGA	mmu-miR-135a	rno-miR-135a
15	hsa-miR-136	ACUCCAUUUGUUUUGAUGAUGGA	mmu-miR-136	rno-miR-136
16	hsa-miR-138	AGCUGGUGUUGUGAAUCAGGCCG	mmu-miR-138	rno-miR-138
17	hsa-miR-141*	CAUCUCCAGUACAGUGUUGGA	mmu-miR-141*	
18	hsa-miR-16	UAGCAGCACGUAAAUAUUGGCG	mmu-miR-16	rno-miR-16
19	hsa-miR-17	CAAAGUGCUUACAGUGCAGGUAG	mmu-miR-17	rno-miR-17
20	hsa-miR-181b	AACAUUCAUUGCUGUCGGUGGGU	mmu-miR-181b	rno-miR-181b

xMAP® Bead Region	Human microRNA Nomenclature	Human microRNA mature sequence	Equivalent Mouse (Mus musculus)	Equivalent Rat (Rattus norvegicus)
21	hsa-miR-185	UGGAGAGAAAGGCAGUCCUGA	mmu-miR-185	rno-miR-185
22	hsa-miR-195	UAGCAGCACAGAAUAUUGGC	mmu-miR-195	rno-miR-195
23	hsa-miR-199a-5p	CCCAGUGUUCAGACUACCGUUC	mmu-miR-199a-5p	rno-miR-199a-5p
24	hsa-miR-200b*	CAUCUUACUGGGCAGCAUUGGA	mmu-miR-200b*	
25	hsa-miR-205	UCCUUCAUCCACCGGAGUCUG	mmu-miR-205	rno-miR-205
26	hsa-miR-20a	UAAAGUGCUUAUAGUGCAGGUAG	mmu-miR-20a	rno-miR-20a
27	hsa-miR-21	UAGCUUAUCAGACUGAUGUUGA	mmu-miR-21	rno-miR-21
28	hsa-miR-210	CUGUGCGUGUGACAGCGGCUGA	mmu-miR-210	rno-miR-210
29	hsa-miR-212	U AACAGUCUCCAGUCACGGCC	mmu-miR-212	rno-miR-212
30	hsa-miR-218	UUGUGCUUGAUCUAACCAUGU	mmu-miR-218	rno-miR-218
31	hsa-miR-23b*	UGGGUUCUGGCAUGCUGAUUU		
32	hsa-miR-24-2*	UGCCUACUGAGCUGAAACACAG	mmu-miR-24-2*	rno-miR-24-2*
33	hsa-miR-27a*	AGGGCUUAGCUGCUUGUGAGCA	mmu-miR-27a*	rno-miR-27a*
34	hsa-miR-29a*	ACUGAUUUUUUGGUGUUCAG	mmu-miR-29a*	rno-miR-29a*
35	hsa-miR-29b-2*	CUGGUUUCACAUGGUGGCUUAG		rno-miR-29b-2*
36	hsa-miR-29c*	UGACCGAUUUCUCCUGGUGUUC	mmu-miR-29c*	rno-miR-29c*
37	hsa-miR-30d	UGUAAACAUCCCGACUGGAAG	mmu-miR-30d	rno-miR-30d
38	hsa-miR-34a	UGGCAGUGUCUAGCUGGUUGU	mmu-miR-34a	rno-miR-34a
39	hsa-miR-34b*	UAGGCAGUGUCAUUAGCUGAUUG		rno-miR-34b
40	hsa-miR-9	UCUUUGGUUAUCUAGCUGUAUGA	mmu-miR-9	rno-miR-9
41	hsa-miR-93	CAAAGUGCUGUUCGUGCAGGUAG	mmu-miR-93	rno-miR-93
42	hsa-miR-95	UUCAACGGGUUUUAUUGAGCA		
43	hsa-miR-96	UUUGGCACUAGCACAUUUUUGCU	mmu-miR-96	rno-miR-96
44	hsa-miR-99a	AACCCGUAGAUCGAUCUUGUG	mmu-miR-99a	rno-miR-99a
45	hsa-miR-137	UUAUUGCUUAAGAAUACGCGUAG	mmu-miR-137	rno-miR-137
46	hsa-miR-182*	UGGUUCUAGACUUGCCAACUA		

xMAP® Bead Region	Human microRNA Nomenclature	Human microRNA mature sequence	Equivalent Mouse (Mus musculus)	Equivalent Rat (Rattus norvegicus)
47	hsa-miR-221	AGCUACAUUGUCUGCUGGGUUUC	mmu-miR-221	rno-miR-221
48	hsa-miR-372	AAAGUGCUGCGACAUUUGAGCGU		
49	5.8S	5.8S Ribosomal RNA		

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.

Revision 011610JL