

miScript™ miRNA PCR Array (384-well, 384HC)

Human Serum & Plasma 384HC

For mature miRNA expression profiling using SYBR® Green-based real-time PCR

Cyclers for use with miScript miRNA PCR Array formats

Format	Suitable real-time cyclers	Plate	Cat. no.
E	Applied Biosystems® models 7900HT (384-well block), ViiA™ 7 (384-well block); Bio-Rad CFX384™	384 well	331223 MIHS-3106ZE
G	Roche® LightCycler® 480 (384-well block)	384 well	331223 MIHS-3106ZG

Contents

miScript miRNA PCR Arrays Formats E and G consist of 4 PCR array plates provided with 4 Optical Adhesive Films.

Description

The Human Serum & Plasma 384HC miScript miRNA PCR Array profiles the expression of 372 miRNAs detectable in serum and plasma using the miScript PCR System. This high-content array also includes the 84 miRNAs detectable and differentially expressed in serum, plasma, and other bodily fluids that are found on the Human Serum & Plasma miScript miRNA PCR Array. The serum and plasma 384HC array provides disease and toxicology researchers with a convenient way to quickly analyze the extracellular, circulating miRNAs most relevant to pathophysiological conditions. The discovery of miRNAs in serum and plasma, and their apparently regulated levels there, suggest a mechanistic role for these master regulatory molecules in both normal and pathophysiological processes. Their presence in serum and plasma samples provides readily available source material for research purposes. The profiling results from this array can potentially serve as a useful molecular marker for heart and liver injury or disease, atherosclerosis, diabetes, and a number of organ-specific cancers. This array can also be used with miRNeasy Serum/Plasma Spike-In Control (catalog number 219610). When spiked into the sample before nucleic acid isolation and detected with the control assay, it provides a more useful normalization method for this application than the typical reference short noncoding RNAs, which are not normally detected in serum. A set of controls present on this array enables data analysis using the $\Delta\Delta\text{CT}$ method of relative quantification, assessment of reverse transcription performance, and assessment of PCR performance. Using SYBR

Green-based real-time PCR, the expression of a focused panel of miRNAs found in serum and plasma can be easily and reliably analyzed with this miScript miRNA PCR Array.

For further details, consult the *miScript miRNA PCR Array Handbook*.

QIAGEN reserves the right to occasionally redesign individual assays on the miScript Arrays for improved performance. This revision history can be accessed by contacting technical support and supplying the batch numbers from your arrays.



Sample & Assay Technologies

Shipping and storage

miScript miRNA PCR Arrays are shipped at ambient temperature, on ice, or on dry ice depending on the destination and accompanying products. Upon receipt, store at -20°C . If stored under these conditions, miScript miRNA PCR Arrays are stable for 6 months after receipt.

Note: Ensure that you have the correct miScript miRNA PCR Array format for your real-time cycler (see table above).

Note: Open the package and store the products at the indicated temperature immediately on receipt.

Array layout

miScript Primer Assays can be ordered for each mature miRNA at www.qiagen.com/GeneGlobe.

Position	Mature miRNA ID	miScript Primer Assay Catalog #
A01	hsa-miR-495-3p	MS00004347
A02	hsa-let-7c	MS00003129
A03	hsa-miR-3141	MS00020608
A04	hsa-miR-184	MS00003640
A05	hsa-miR-532-5p	MS00004571
A06	hsa-miR-152	MS00003591
A07	hsa-miR-1231	MS00031290
A08	hsa-miR-3911	MS00037485
A09	hsa-miR-223-5p	MS00009184
A10	hsa-miR-1909-5p	MS00016513
A11	hsa-miR-4291	MS00021406
A12	hsa-miR-205-5p	MS00003780
A13	hsa-miR-3651	MS00023121
A14	hsa-miR-1587	MS00037492
A15	hsa-miR-372	MS00004067
A16	hsa-miR-1260a	MS00014329
A17	hsa-miR-19b-1-5p	MS00008995
A18	hsa-let-7a-3p	MS00008274
A19	hsa-miR-183-3p	MS00008869
A20	hsa-miR-1290	MS00014518
A21	hsa-miR-628-3p	MS00005159
A22	hsa-miR-92b-3p	MS00032144
A23	hsa-miR-7-2-3p	MS00010542
A24	hsa-miR-144-5p	MS00008701
B01	hsa-miR-3610	MS00037499
B02	hsa-miR-199b-5p	MS00003731
B03	hsa-miR-1286	MS00014490
B04	hsa-miR-497-5p	MS00004361
B05	hsa-miR-18b-5p	MS00031521
B06	hsa-miR-214-3p	MS00031605
B07	hsa-miR-34a-5p	MS00003318
B08	hsa-miR-4732-5p	MS00037506
B09	hsa-miR-660-5p	MS00005383
B10	hsa-miR-3120-3p	MS00020447
B11	hsa-miR-151b	MS00037513
B12	hsa-miR-423-5p	MS00009681
B13	hsa-miR-4687-5p	MS00037520
B14	hsa-miR-93-3p	MS00010815
B15	hsa-miR-2276	MS00017276
B16	hsa-miR-33a-5p	MS00003304
B17	hsa-miR-150-5p	MS00003577
B18	hsa-miR-21-5p	MS00009079
B19	hsa-miR-329	MS00006832
B20	hsa-miR-550a-5p	MS00023814
B21	hsa-miR-378b	MS00021112
B22	hsa-miR-28-5p	MS00003255
B23	hsa-miR-138-1-3p	MS00008652
B24	hsa-miR-193a-5p	MS00008932
C01	hsa-miR-26b-3p	MS00009233
C02	hsa-miR-16-2-3p	MS00008813
C03	hsa-miR-146a-5p	MS00003535
C04	hsa-miR-3200-3p	MS00021070
C05	hsa-miR-21-3p	MS00009086
C06	hsa-let-7g-5p	MS00008337
C07	hsa-miR-338-3p	MS00003990
C08	hsa-miR-2110	MS00016772
C09	hsa-miR-3200-5p	MS00022925
C10	hsa-miR-196b-5p	MS00031570
C11	hsa-miR-769-5p	MS00007210
C12	hsa-miR-29c-3p	MS00003269
C13	hsa-miR-4651	MS00037527
C14	hsa-miR-127-3p	MS00003437
C15	hsa-miR-29c-5p	MS00009303
C16	hsa-miR-181b-5p	MS00006699

Position	Mature miRNA ID	miScript Primer Assay Catalog #
C17	hsa-miR-1180	MS00031276
C18	hsa-miR-133b	MS00031430
C19	hsa-miR-324-3p	MS00007672
C20	hsa-miR-3135b	MS00037534
C21	hsa-miR-502-3p	MS00031927
C22	hsa-miR-3655	MS00023149
C23	hsa-miR-130b-5p	MS00008610
C24	hsa-miR-324-5p	MS00006825
D01	hsa-miR-373-3p	MS00031815
D02	hsa-miR-3646	MS00037541
D03	hsa-miR-1	MS00008358
D04	hsa-miR-3907	MS00023499
D05	hsa-miR-422a	MS00004172
D06	hsa-miR-338-5p	MS00009478
D07	hsa-miR-631	MS00032053
D08	hsa-miR-143-3p	MS00003514
D09	hsa-miR-627	MS00010381
D10	hsa-let-7i-3p	MS00008351
D11	hsa-miR-451a	MS00004242
D12	hsa-miR-29b-3p	MS00006566
D13	hsa-miR-194-5p	MS00006727
D14	hsa-miR-605	MS00004998
D15	hsa-miR-30b-5p	MS00003276
D16	hsa-miR-199a-5p	MS00006741
D17	hsa-miR-125a-5p	MS00003423
D18	hsa-miR-376c-3p	MS00004046
D19	hsa-miR-503-5p	MS00033838
D20	hsa-miR-361-3p	MS00009555
D21	hsa-miR-590-5p	MS00004900
D22	hsa-miR-1207-5p	MS00014189
D23	hsa-miR-342-5p	MS00009520
D24	hsa-miR-1193	MS00020265
E01	hsa-miR-624-5p	MS00010360
E02	hsa-miR-4689	MS00037548
E03	hsa-miR-139-3p	MS00008666
E04	hsa-miR-4516	MS00037555
E05	hsa-miR-1539	MS00031472
E06	hsa-miR-377-3p	MS00004095
E07	hsa-miR-130a-3p	MS00003444
E08	hsa-miR-4323	MS00021630
E09	hsa-miR-339-5p	MS00003997
E10	hsa-miR-501-5p	MS00009835
E11	hsa-miR-132-3p	MS00003458
E12	hsa-miR-29a-3p	MS00003262
E13	hsa-miR-22-5p	MS00009142
E14	hsa-miR-596	MS00016359
E15	hsa-miR-191-5p	MS00003682
E16	hsa-miR-103a-2-5p	MS00016765
E17	hsa-let-7b-5p	MS00003122
E18	hsa-miR-103a-3p	MS00031241
E19	hsa-miR-489	MS00007700
E20	hsa-miR-4306	MS00021511
E21	hsa-miR-378a-3p	MS00006909
E22	hsa-miR-30e-3p	MS00009408
E23	hsa-miR-107	MS00031255
E24	hsa-miR-382-5p	MS00031836
F01	hsa-miR-484	MS00004277
F02	hsa-miR-1281	MS00014455
F03	hsa-miR-3653	MS00023135
F04	hsa-miR-423-3p	MS00004179
F05	hsa-miR-224-5p	MS00003878
F06	hsa-miR-877-3p	MS00010654
F07	hsa-miR-4732-3p	MS00037562
F08	hsa-miR-22-3p	MS00003220
F09	hsa-miR-125b-5p	MS00006629
F10	hsa-miR-203a	MS00003766
F11	hsa-let-7i-5p	MS00003157
F12	hsa-miR-454-3p	MS00007861
F13	hsa-miR-3159	MS00020741
F14	hsa-let-7f-1-3p	MS00008323
F15	hsa-miR-548c-5p	MS00010129
F16	hsa-miR-1913	MS00037569

Position	Mature miRNA ID	miScript Primer Assay Catalog #
F17	hsa-miR-548e	MS00014735
F18	hsa-miR-4770	MS00037576
F19	hsa-miR-186-5p	MS00003654
F20	hsa-miR-10a-5p	MS00031262
F21	hsa-miR-1203	MS00014154
F22	hsa-miR-1280	MS00020321
F23	hsa-miR-101-3p	MS00008372
F24	hsa-miR-1910	MS00016464
G01	hsa-miR-151a-3p	MS00007665
G02	hsa-miR-196a-5p	MS00031563
G03	hsa-miR-877-5p	MS00032123
G04	hsa-miR-148b-3p	MS00031458
G05	hsa-miR-100-5p	MS00031234
G06	hsa-miR-4422	MS00037583
G07	hsa-miR-18a-3p	MS00006538
G08	hsa-miR-15a-5p	MS00003178
G09	hsa-miR-134	MS00031437
G10	hsa-miR-421	MS00004165
G11	hsa-miR-181c-5p	MS00008841
G12	hsa-miR-337-5p	MS00031752
G13	hsa-miR-1537	MS00016471
G14	hsa-miR-7-5p	MS00032116
G15	hsa-miR-139-5p	MS00003493
G16	hsa-miR-551a	MS00010150
G17	hsa-miR-15a-3p	MS00008785
G18	hsa-miR-339-3p	MS00009485
G19	hsa-miR-340-5p	MS00031759
G20	hsa-miR-30d-5p	MS00009387
G21	hsa-miR-3923	MS00023611
G22	hsa-let-7e-5p	MS00031227
G23	hsa-miR-335-3p	MS00009464
G24	hsa-miR-345-5p	MS00031766
H01	hsa-miR-485-5p	MS00006972
H02	hsa-miR-3183	MS00037590
H03	hsa-miR-532-3p	MS00010052
H04	hsa-miR-542-3p	MS00010073
H05	hsa-miR-199a-3p	MS00007602
H06	hsa-miR-337-3p	MS00007651
H07	hsa-miR-4301	MS00021476
H08	hsa-miR-381-3p	MS00004116
H09	hsa-miR-412	MS00004158
H10	hsa-miR-505-3p	MS00004417
H11	hsa-miR-136-3p	MS00008645
H12	hsa-miR-363-3p	MS00009576
H13	hsa-miR-1301	MS00031381
H14	hsa-let-7g-3p	MS00008344
H15	hsa-miR-598	MS00010290
H16	hsa-miR-221-3p	MS00003857
H17	hsa-miR-28-3p	MS00009254
H18	hsa-miR-629-3p	MS00005166
H19	hsa-miR-4267	MS00021238
H20	hsa-miR-3131	MS00020538
H21	hsa-miR-124-3p	MS00006622
H22	hsa-miR-155-5p	MS00031486
H23	hsa-miR-486-3p	MS00031892
H24	hsa-miR-26a-5p	MS00029239
I01	hsa-miR-98-5p	MS00003367
I02	hsa-miR-144-3p	MS00020328
I03	hsa-miR-20a-5p	MS00003199
I04	hsa-miR-195-5p	MS00003703
I05	hsa-miR-3191-3p	MS00021000
I06	hsa-miR-4454	MS00037597
I07	hsa-miR-766-3p	MS00005439
I08	hsa-miR-99b-5p	MS00032165
I09	hsa-miR-140-5p	MS00003500
I10	hsa-let-7d-3p	MS00008302
I11	hsa-miR-328	MS00031731
I12	hsa-miR-652-3p	MS00010451
I13	hsa-miR-133a	MS00031423
I14	hsa-miR-379-5p	MS00009653
I15	hsa-miR-27a-3p	MS00003241
I16	hsa-miR-664a-3p	MS00014819

Position	Mature miRNA ID	miScript Primer Assay Catalog #
I17	hsa-miR-185-5p	MS00003647
I18	hsa-miR-519b-5p	MS00037429
I19	hsa-miR-4258	MS00021175
I20	hsa-miR-141-3p	MS00003507
I21	hsa-miR-370	MS00004053
I22	hsa-let-7f-2-3p	MS00008330
I23	hsa-miR-23b-3p	MS00031647
I24	hsa-miR-378h	MS00037604
J01	hsa-miR-122-5p	MS00003416
J02	hsa-miR-424-3p	MS00009688
J03	hsa-miR-542-5p	MS00007147
J04	hsa-miR-433	MS00004214
J05	hsa-miR-140-3p	MS00008673
J06	hsa-miR-1976	MS00016751
J07	hsa-miR-24-3p	MS00006552
J08	hsa-let-7d-5p	MS00003136
J09	hsa-miR-215	MS00003829
J10	hsa-miR-548d-5p	MS00010136
J11	hsa-miR-130b-3p	MS00003451
J12	hsa-miR-1183	MS00014105
J13	hsa-let-7a-5p	MS00031220
J14	hsa-miR-4505	MS00037611
J15	hsa-miR-208a	MS00003794
J16	hsa-miR-211-5p	MS00003808
J17	hsa-miR-1247-5p	MS00031311
J18	hsa-miR-378g	MS00037618
J19	hsa-miR-485-3p	MS00031885
J20	hsa-miR-9-5p	MS00010752
J21	hsa-miR-148a-3p	MS00003556
J22	hsa-miR-5095	MS00037625
J23	hsa-miR-409-3p	MS00006895
J24	hsa-miR-361-5p	MS00004032
K01	hsa-miR-331-3p	MS00003969
K02	hsa-miR-30c-5p	MS00009366
K03	hsa-miR-487b	MS00004298
K04	hsa-miR-32-5p	MS00003297
K05	hsa-miR-3176	MS00020860
K06	hsa-miR-192-5p	MS00003689
K07	hsa-miR-181a-5p	MS00008827
K08	hsa-miR-1287	MS00014497
K09	hsa-miR-378e	MS00037632
K10	hsa-miR-320b	MS00031703
K11	hsa-miR-671-3p	MS00037639
K12	hsa-miR-374a-5p	MS00009604
K13	hsa-miR-450a-5p	MS00006937
K14	hsa-miR-3613-3p	MS00031787
K15	hsa-miR-342-3p	MS00004011
K16	hsa-miR-3689a-5p	MS00023429
K17	hsa-miR-4302	MS00021483
K18	hsa-miR-183-5p	MS00031507
K19	hsa-miR-27b-3p	MS00031668
K20	hsa-miR-15b-5p	MS00008792
K21	hsa-miR-424-5p	MS00004186
K22	hsa-miR-373-5p	MS00031822
K23	hsa-miR-374b-5p	MS00009618
K24	hsa-miR-375	MS00031829
L01	hsa-miR-574-3p	MS00032025
L02	hsa-miR-4524a-3p	MS00037646
L03	hsa-miR-191-3p	MS00031528
L04	hsa-miR-17-5p	MS00029274
L05	hsa-miR-7-1-3p	MS00010535
L06	hsa-miR-720	MS00014833
L07	hsa-miR-675-3p	MS00032109
L08	hsa-miR-128	MS00008582
L09	hsa-miR-23b-5p	MS00031654
L10	hsa-miR-181c-3p	MS00008848
L11	hsa-let-7f-5p	MS00006489
L12	hsa-miR-1225-3p	MS00037653
L13	hsa-miR-301b	MS00009324
L14	hsa-miR-26b-5p	MS00003234
L15	hsa-miR-885-5p	MS00010668
L16	hsa-miR-4286	MS00021371

Position	Mature miRNA ID	miScript Primer Assay Catalog #
L17	hsa-miR-3622a-5p	MS00023072
L18	hsa-miR-3185	MS00020930
L19	hsa-miR-629-5p	MS00010395
L20	hsa-miR-4296	MS00021441
L21	hsa-miR-31-5p	MS00003290
L22	hsa-miR-483-5p	MS00009758
L23	hsa-miR-23a-3p	MS00031633
L24	hsa-miR-301a-3p	MS00009317
M01	hsa-miR-181d	MS00031500
M02	hsa-miR-99a-5p	MS00032158
M03	hsa-miR-330-3p	MS00031738
M04	hsa-miR-335-5p	MS00003976
M05	hsa-miR-4289	MS00021392
M06	hsa-miR-146b-5p	MS00003542
M07	hsa-miR-744-5p	MS00010549
M08	hsa-miR-2355-5p	MS00020370
M09	hsa-miR-16-5p	MS00031493
M10	hsa-miR-490-3p	MS00004319
M11	hsa-miR-34c-3p	MS00009548
M12	hsa-miR-136-5p	MS00003479
M13	hsa-miR-106b-5p	MS00003402
M14	hsa-miR-196b-3p	MS00031577
M15	hsa-miR-378a-5p	MS00009646
M16	hsa-miR-145-3p	MS00008708
M17	hsa-miR-320e	MS00021091
M18	hsa-miR-874	MS00021819
M19	hsa-miR-4274	MS00021287
M20	hsa-miR-200a-3p	MS00003738
M21	hsa-miR-340-3p	MS00004004
M22	hsa-miR-1260b	MS00020279
M23	hsa-miR-126-3p	MS00003430
M24	hsa-miR-326	MS00003948
N01	hsa-miR-223-3p	MS00003871
N02	hsa-miR-219-1-3p	MS00009128
N03	hsa-miR-25-3p	MS00003227
N04	hsa-miR-210	MS00003801
N05	hsa-miR-19a-3p	MS00003192
N06	hsa-miR-17-3p	MS00006524
N07	hsa-miR-151a-5p	MS00008764
N08	hsa-miR-320a	MS00014707
N09	hsa-miR-625-3p	MS00032046
N10	hsa-miR-15b-3p	MS00008799
N11	hsa-miR-30a-5p	MS00007350
N12	hsa-miR-206	MS00003787
N13	hsa-miR-4538	MS00037660
N14	hsa-miR-1237-3p	MS00008533
N15	hsa-miR-19b-3p	MS00031584
N16	hsa-miR-142-3p	MS00031451
N17	hsa-miR-30e-5p	MS00009401
N18	hsa-miR-499a-5p	MS00004375
N19	hsa-miR-1307-3p	MS00016394
N20	hsa-miR-500a-5p	MS00023751
N21	hsa-miR-204-5p	MS00003773
N22	hsa-miR-20b-5p	MS00003206
N23	hsa-miR-200c-3p	MS00003752
N24	hsa-miR-190a	MS00008911
O01	hsa-miR-193b-3p	MS00031549
O02	hsa-miR-425-3p	MS00006916
O03	hsa-miR-576-5p	MS00007798
O04	hsa-miR-590-3p	MS00010269
O05	hsa-miR-10b-5p	MS00031269
O06	hsa-miR-96-5p	MS00003360
O07	hsa-miR-1277-3p	MS00031346
O08	hsa-miR-486-5p	MS00004284
O09	hsa-miR-188-5p	MS00003668
O10	hsa-miR-615-5p	MS00010332
O11	hsa-miR-30a-3p	MS00009352
O12	hsa-miR-378i	MS00037667
O13	hsa-miR-93-5p	MS00003346
O14	hsa-miR-154-5p	MS00003598
O15	hsa-miR-425-5p	MS00009695
O16	hsa-miR-362-3p	MS00009562

Position	Mature miRNA ID	miScript Primer Assay Catalog #
O17	hsa-miR-92a-3p	MS00006594
O18	hsa-miR-222-3p	MS00007609
O19	hsa-miR-296-5p	MS00016401
O20	hsa-miR-365a-3p	MS00031801
O21	hsa-miR-551b-3p	MS00004627
O22	hsa-miR-2467-3p	MS00037674
O23	hsa-miR-2355-3p	MS00022890
O24	hsa-miR-200b-3p	MS00009016
P01	hsa-miR-18a-5p	MS00031514
P02	hsa-miR-142-5p	MS00006671
P03	hsa-miR-487a	MS00004291
P04	hsa-miR-145-5p	MS00003528
P05	hsa-miR-1233-3p	MS00008512
P06	hsa-miR-369-3p	MS00006853
P07	hsa-miR-637	MS00005222
P08	hsa-miR-202-3p	MS00009037
P09	hsa-miR-942	MS00010885
P10	hsa-miR-4688	MS00037681
P11	hsa-miR-197-3p	MS00008967
P12	hsa-miR-126-5p	MS00006636
P13	cel-miR-39-3p	MS00019789
P14	cel-miR-39-3p	MS00019789
P15	SNORD61	MS00033705
P16	SNORD68	MS00033712
P17	SNORD72	MS00033719
P18	SNORD95	MS00033726
P19	SNORD96A	MS00033733
P20	RNU6-2	MS00033740
P21	miRTC	MS00000001
P22	miRTC	MS00000001
P23	PPC	MS00000002
P24	PPC	MS00000002

Related products

Product	Contents	Cat. no.
miScript II RT Kit (12)	For 12 cDNA synthesis reactions: miScript Reverse Transcriptase Mix, 10x miScript Nucleics Mix, 5x miScript HiSpec Buffer, 5x miScript HiFlex Buffer, RNase-Free Water	218160
miScript II RT Kit (50)	For 50 cDNA synthesis reactions: miScript Reverse Transcriptase Mix, 10x miScript Nucleics Mix, 5x miScript HiSpec Buffer, 5x miScript HiFlex Buffer, RNase-Free Water	218161
miScript SYBR Green PCR Kit (200)	For 200 reactions: QuantiTect SYBR Green PCR Master Mix, miScript Universal Primer	218073
miScript SYBR Green PCR Kit (1000)	For 1000 reactions: QuantiTect SYBR Green PCR Master Mix, miScript Universal Primer	218075
miRNome miScript miRNA PCR Array	Array of assays for the human, mouse, rat, or dog miRNome; available in 96-well, 384-well, or Rotor-Disc 100 format	Varies
miScript miRNA QC PCR Array	Array for assessing cDNA sample quality	Varies
miScript Primer Assay (100)	10x miScript Primer Assay (contains one miRNA-specific primer)	Varies
RT ² PCR Array Loading Reservoirs	12 x 5 ml capacity, irradiation-sterilized loading reservoirs	338162
384EZLoad Covers	Pack of 4 color-coded covers for loading 384-well plates	338125

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

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