

Microbial DNA qPCR Array

Vaginal Flora

Cat. no. 330261 BAID-1902Y

For real-time PCR-based, application-specific microbial identification or profiling

The Vaginal Flora DNA qPCR Array is a research tool used to screen for bacterial and fungal species that typically populate the vagina. This array provides microbiology researchers with a convenient way to quickly detect the presence of such commensal and potentially pathogenic microorganisms in vaginal swabs. The array contains assays for 90 microbial species, each designed to detect bacterial 16S rRNA gene sequences and use PCR amplification primers and hydrolysis-probe detection, which increases the specificity of each assay. Each Vaginal Flora DNA qPCR Array plate analyzes one sample. Pan-bacteria and pan-fungal assays that detect a broad range of bacterial, *Aspergillus*, and *Candida* species are included to serve as positive controls for microbial DNA, and the Positive PCR Control assay is included to test for the presence of PCR inhibitors and the efficiency of the polymerase chain reaction. Finally, two assays each detecting different host genes provide another method for data normalization. The arrays also include the appropriate Microbial qPCR Mastermix and Microbial DNA-Free Water. Identification of which microorganisms are present in a sample is accomplished using data analysis Excel files after copying and pasting in C_t values generated by the PCR instrument software. The simplicity of the product format and operating procedure allow routine and reliable screening of vaginal flora from samples in any research laboratory with access to a real-time PCR instrument.



Format	For use with the following real-time cyclers
Format A, with fluorescein	Bio-Rad® models iCycler®, iQ™5, MyiQ™, MyiQ2
Format A, with ROX	Applied Biosystems® models 5700, 7000, 7300, 7500, 7700, 7900HT, ViiA™ 7 (96-well blocks); Bio-Rad/MJ Research Chromo4™; Eppendorf® Mastercycler® ep realplex models 2, 2s, 4, 4s; Stratagene® models Mx3005P®, Mx3000P®
Format C, with ROX	Applied Biosystems models 7500 (Fast, 96-well block), 7900HT (Fast, 96-well block), StepOnePlus™, ViiA 7 (Fast, 96-well block)
Format D, with ROX	Bio-Rad CFX96™; Bio-Rad/MJ Research models DNA Engine Opticon®, DNA Engine Opticon 2; Stratagene Mx4000®
Format E, with ROX	Applied Biosystems models 7900HT (384-well block), ViiA 7 (384-well block); Bio-Rad CFX384™
Format F, with ROX	Roche® LightCycler® 480 (96-well block)
Format G, with ROX	Roche LightCycler 480 (384-well block)

Shipping and storage

Microbial DNA qPCR Arrays are shipped at ambient temperature or on blue ice packs. For long-term storage, keep plates at –20°C. Ensure that you have the correct Microbial DNA qPCR Array format for your real-time cycler (see table above). Microbial qPCR Mastermixes are shipped on blue ice packs. For long-term storage, keep Microbial qPCR Mastermixes at –20°C. Microbial DNA-Free Water is shipped at ambient temperature or on blue ice packs. If unopened, Microbial DNA-Free Water can be stored at room temperature or at –20°C. If tube is opened, store Microbial DNA-Free Water at –20°C. Discard tube of Microbial DNA-Free Water if opened three times and use fresh tube of Microbial DNA-Free Water for future experiments.

Note: Ensure that you have the correct Microbial qPCR Mastermixes, with the correct reference dye if required, for your instrument.

Note: Open the package and store the products appropriately immediately upon receipt.

Assay Table

Well	Species, Gene, or Control	NCBI Tax ID	Other targeted species	May also detect	Sensitivity	Assay Catalog #
A01	Acidaminococcus fermentans	905			100	BPID00003A
A02	Actinomyces israelii	1659			20	BPID00011A
A03	Actinomyces naeslundii	1655			20	BPID00013A
A04	Actinomyces odontolyticus	1660			100	BPID00014A
A05	Actinomyces urogenitalis	103621			30	BPID00017A
A06	Aerococcus christensenii	87541			50	BPID00019A
A07	Aerococcus urinae	1376			100	BPID00720A
A08	Aerococcus viridans	1377			20	BPID00021A
A09	Anaerococcus hydrogenalis	33029			20	BPID00029A
A10	Anaerococcus prevotii	33034			30	BPID00031A
A11	Atopobium vaginae	82135			100	BPID00041A
A12	Bacteroides fragilis	817			20	BPID00051A
B01	Bacteroides ureolyticus	827			100	BPID00061A
B02	Bifidobacterium bifidum	1681			30	BPID00064A
B03	Bifidobacterium breve	1685			50	BPID00065A
B04	Bifidobacterium dentium	1689			40	BPID00066A
B05	Bifidobacterium longum	216816			20	BPID00067A
B06	Bifidobacterium scardovii	158787			50	BPID00069A
B07	Campylobacter fetus	196			20	BPID00085A
B08	Campylobacter gracilis	824		Campylobacter rectus(203)	30	BPID00086A
B09	Campylobacter rectus	203		Campylobacter fetus(196)	20	BPID00088A
B10	Campylobacter showae	204			100	BPID00089A
B11	Candida albicans	5476			20	BPID00092A
B12	Candida glabrata	5478			20	BPID00093A
C01	Candida krusei	4909			50	BPID00094A
C02	Candida parapsilosis	5480			50	BPID00095A
C03	Capnocytophaga gingivalis	1017			20	BPID00097A
C04	Capnocytophaga ochracea	1018			20	BPID00099A
C05	Capnocytophaga sputigena	1019			20	BPID00100A
C06	Chlamydia trachomatis	813			40	BPID00105A
C07	Clostridium sordellii	1505			20	BPID00114A
C08	Corynebacterium aurimucosum	169292			20	BPID00121A
C09	Dialister pneumosintes	39950			20	BPID00131A
C10	Eggerthella sinensis	242230			30	BPID00134A
C11	Eikenella corrodens	539			100	BPID00136A
C12	Enterococcus faecalis	1351			30	BPID00142A
D01	Finegoldia magna	1260			20	BPID00156A
D02	Fusobacterium nucleatum	851			30	BPID00160A
D03	Fusobacterium periodonticum	860			40	BPID00161A
D04	Gardnerella vaginalis	2702			40	BPID00163A
D05	Haemophilus ducreyi	730		Pasteurella aerogenes(749)	300	BPID00170A
D06	Haemophilus influenzae	727		Haemophilus haemolyticus(726)	20	BPID00171A
D07	Klebsiella granulomatis	39824			20	BPID00180A

Well	Species, Gene, or Control	NCBI Tax ID	Other targeted species	May also detect	Sensitivity	Assay Catalog #
D08	<i>Lactobacillus acidophilus</i>	1579		<i>Lactobacillus helveticus</i> (1587)	200	BPID00184A
D09	<i>Lactobacillus crispatus</i>	47770			200	BPID00186A
D10	<i>Lactobacillus gasseri</i>	1596			50	BPID00189A
D11	<i>Lactobacillus iners</i>	147802			50	BPID00190A
D12	<i>Lactobacillus jensenii</i>	109790			30	BPID00191A
E01	<i>Lactobacillus salivarius</i>	1624			20	BPID00196A
E02	<i>Lactobacillus vaginalis</i>	1633		<i>Lactobacillus coleohominis</i> (181675) <i>Lactobacillus reuteri</i> (1598)	100	BPID00197A
E03	<i>Leptotrichia amnionii</i>	187101			20	BPID00204A
E04	<i>Methylobacterium mesophilicum</i>	39956			100	BPID00214A
E05	<i>Mobiluncus curtisii</i>	2051			40	BPID00219A
E06	<i>Mobiluncus mulieris</i>	2052			100	BPID00220A
E07	<i>Morganella morganii</i>	582		<i>Escherichia albertii</i> (208962) <i>Providencia alcalifaciens</i> (126385)	100	BPID00224A
E08	<i>Mycoplasma genitalium</i>	2097			30	BPID00231A
E09	<i>Mycoplasma hominis</i>	2098			20	BPID00232A
E10	<i>Neisseria gonorrhoeae</i>	485		<i>Neisseria cinerea</i> (483) <i>Neisseria meningitidis</i> (487) <i>Neisseria polysaccharea</i> (489)	100	BPID00239A
E11	<i>Parvimonas micra</i>	33033			100	BPID00260A
E12	<i>Peptoniphilus asaccharolyticus</i>	1258			20	BPID00264A
F01	<i>Peptostreptococcus anaerobius</i>	1261			30	BPID00265A
F02	<i>Porphyromonas asaccharolytica</i>	28123			100	BPID00269A
F03	<i>Porphyromonas gingivalis</i>	837			30	BPID00271A
F04	<i>Prevotella bivia</i>	28125			20	BPID00272A
F05	<i>Prevotella buccalis</i>	28127			30	BPID00273A
F06	<i>Prevotella disiens</i>	28130			30	BPID00276A
F07	<i>Prevotella intermedia</i>	28131			30	BPID00277A
F08	<i>Prevotella melaninogenica</i>	28132			20	BPID00279A
F09	<i>Prevotella nigrescens</i>	28133			20	BPID00280A
F10	<i>Propionibacterium acnes</i>	1747			20	BPID00285A
F11	<i>Pseudomonas aeruginosa</i>	287			30	BPID00288A
F12	<i>Selenomonas noxia</i>	135083			20	BPID00304A
G01	<i>Sneathia sanguinegens</i>	40543			20	BPID00309A
G02	<i>Staphylococcus aureus</i>	1280		<i>Staphylococcus epidermidis</i> (1282)	100	BPID00314A
G03	<i>Staphylococcus epidermidis</i>	1282		<i>Staphylococcus aureus</i> (1280) <i>Staphylococcus haemolyticus</i> (1283) <i>Staphylococcus pettenkoferi</i> (170573)	100	BPID00316A
G04	<i>Staphylococcus saprophyticus</i>	29385	<i>Staphylococcus arlettae</i> (29378)		100	BPID00317A
G05	<i>Streptococcus agalactiae</i>	1311			30	BPID00320A
G06	<i>Streptococcus anginosus</i>	1328			30	BPID00321A
G07	<i>Streptococcus constellatus</i>	76860	<i>Streptococcus intermedius</i> (1338)		20	BPID00323A
G08	<i>Streptococcus mitis</i>	28037		<i>Streptococcus infantis</i> (68892) <i>Streptococcus oralis</i> (1303) <i>Streptococcus pneumoniae</i> (1313) <i>Streptococcus porcinus</i> (1340) <i>Streptococcus pseudopneumoniae</i> (257758)	100	BPID00327A
G09	<i>Streptococcus salivarius</i>	1304	<i>Streptococcus thermophilus</i> (1308)		100	BPID00333A
G10	<i>Tannerella forsythia</i>	28112			40	BPID00341A
G11	<i>Treponema denticola</i>	158			20	BPID00342A
G12	<i>Treponema pallidum</i>	160			50	BPID00343A
H01	<i>Treponema socranskii</i>	53419			30	BPID00344A
H02	<i>Trichomonas vaginalis</i>	5722			50	BPID00345A
H03	<i>Ureaplasma parvum</i>	134821			100	BPID00347A

Well	Species, Gene, or Control	NCBI Tax ID	Other targeted species	May also detect	Sensitivity	Assay Catalog #
H04	Ureaplasma urealyticum	2130			20	BPID00348A
H05	Varibaculum cambriense	184870			30	BPID00349A
H06	Veillonella parvula	29466		Veillonella dispar(39778)	50	BPID00351A
H07	Hs./Mm.GAPDH	N/A			N/A	BPCL00363A
H08	Hs./Mm.HBB1	N/A			N/A	BPCL00364A
H09	Pan Aspergillus/Candida	N/A			N/A	BPCL00359A
H10	Pan Bacteria 1	2			N/A	BPCL00360A
H11	Pan Bacteria 3	2			N/A	BPCL00362A
H12	PPC	N/A			N/A	BPCL00365A

Ordering Information

Product	Contents	Cat. no.
Microbial DNA qPCR Array	Array plate, master mix, and microbial DNA-free water for detection of microbial species or genes	330261
Related Products		
Supplemental Microbial qPCR Mastermix ROX™	2 tubes of 1.35 ml each	330530
Supplemental Microbial qPCR Mastermix Fluor	2 tubes of 1.35 ml each	330540
Microbial DNA-Free Water	12 tubes of 1.35 ml each	338132

No Template Control (NTC) $C_t > 35$; Microbial DNA Positive Control $C_t < 34$
Note: On Stratagene instruments, C_t of the positive control template > 34

Microbial DNA qPCR Arrays are intended for molecular biology use only. These products are not intended for the diagnosis, prevention, or treatment of a disease..

Visit www.qiagen.com today to view the full array list!

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