

Microbial DNA qPCR Array

Intestinal Infections 2

Cat. no. 330261 BAID-0013ZRA

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

Microbial DNA qPCR Arrays are collections of assays to identify and profile microbial species, virulence factor genes or antibiotic resistance genes from a variety of sample types. Species identification assays target bacterial 16S rRNA genes and fungal ribosomal RNA genes, and each array includes controls for host DNA, presence of bacterial DNA and success of the PCR reaction. Microbial qPCR Mastermix is also included in the array kit. The simplicity of the product format and operating procedure allow routine, reliable identification or profiling of microbial species and genes from samples in any research laboratory with access to a real-time PCR instrument.



Sample & Assay Technologies

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

Position	Species (NCBI Tax ID)/Gene	NCBI Tax ID	Antibiotic classification / Gene Description	May detect (species) / Also detect (antibiotic resistance genes) / Associated species (virulence factor genes)	Sensitivity	Assay Catalog #
A01	Entamoeba histolytica	5759			80	BPID00550A
A02	Dientamoeba fragilis	43352			30	BPID00549A
A03	Giardia intestinalis	5741			20	BPID00551A
A04	Cryptosporidium spp.	5806			100	BPID00547A
A05	Blastocystis hominis	12968			60	BPID00545A
A06	Campylobacter spp.	194			30	BPID00546A
A07	Yersinia enterocolitica	630			100	BPID00357A
A08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
A09	Salmonella spp.	590			40	BPID00552A
A10	Plesiomonas shigelloides	703			30	BPID00267A
A11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
A12	PPC					
B01	Entamoeba histolytica	5759			80	BPID00550A
B02	Dientamoeba fragilis	43352			30	BPID00549A
B03	Giardia intestinalis	5741			20	BPID00551A
B04	Cryptosporidium spp.	5806			100	BPID00547A
B05	Blastocystis hominis	12968			60	BPID00545A
B06	Campylobacter spp.	194			30	BPID00546A
B07	Yersinia enterocolitica	630			100	BPID00357A
B08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
B09	Salmonella spp.	590			40	BPID00552A
B10	Plesiomonas shigelloides	703			30	BPID00267A
B11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
B12	PPC					
C01	Entamoeba histolytica	5759			80	BPID00550A
C02	Dientamoeba fragilis	43352			30	BPID00549A
C03	Giardia intestinalis	5741			20	BPID00551A
C04	Cryptosporidium spp.	5806			100	BPID00547A
C05	Blastocystis hominis	12968			60	BPID00545A
C06	Campylobacter spp.	194			30	BPID00546A
C07	Yersinia enterocolitica	630			100	BPID00357A
C08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
C09	Salmonella spp.	590			40	BPID00552A
C10	Plesiomonas shigelloides	703			30	BPID00267A
C11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
C12	PPC					
D01	Entamoeba histolytica	5759			80	BPID00550A
D02	Dientamoeba fragilis	43352			30	BPID00549A
D03	Giardia intestinalis	5741			20	BPID00551A
D04	Cryptosporidium spp.	5806			100	BPID00547A
D05	Blastocystis hominis	12968			60	BPID00545A
D06	Campylobacter spp.	194			30	BPID00546A
D07	Yersinia enterocolitica	630			100	BPID00357A
D08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
D09	Salmonella spp.	590			40	BPID00552A
	Plesiomonas					

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D10	shigelloides	703			30	BPID00267A
D11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
D12	PPC					
E01	Entamoeba histolytica	5759			80	BPID00550A
E02	Dientamoeba fragilis	43352			30	BPID00549A
E03	Giardia intestinalis	5741			20	BPID00551A
E04	Cryptosporidium spp.	5806			100	BPID00547A
E05	Blastocystis hominis	12968			60	BPID00545A
E06	Campylobacter spp.	194			30	BPID00546A
E07	Yersinia enterocolitica	630			100	BPID00357A
E08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
E09	Salmonella spp.	590			40	BPID00552A
E10	Plesiomonas shigelloides	703			30	BPID00267A
E11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
E12	PPC					
F01	Entamoeba histolytica	5759			80	BPID00550A
F02	Dientamoeba fragilis	43352			30	BPID00549A
F03	Giardia intestinalis	5741			20	BPID00551A
F04	Cryptosporidium spp.	5806			100	BPID00547A
F05	Blastocystis hominis	12968			60	BPID00545A
F06	Campylobacter spp.	194			30	BPID00546A
F07	Yersinia enterocolitica	630			100	BPID00357A
F08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
F09	Salmonella spp.	590			40	BPID00552A
F10	Plesiomonas shigelloides	703			30	BPID00267A
F11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
F12	PPC					
G01	Entamoeba histolytica	5759			80	BPID00550A
G02	Dientamoeba fragilis	43352			30	BPID00549A
G03	Giardia intestinalis	5741			20	BPID00551A
G04	Cryptosporidium spp.	5806			100	BPID00547A
G05	Blastocystis hominis	12968			60	BPID00545A
G06	Campylobacter spp.	194			30	BPID00546A
G07	Yersinia enterocolitica	630			100	BPID00357A
G08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
G09	Salmonella spp.	590			40	BPID00552A
G10	Plesiomonas shigelloides	703			30	BPID00267A
G11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
G12	PPC					
H01	Entamoeba histolytica	5759			80	BPID00550A
H02	Dientamoeba fragilis	43352			30	BPID00549A
H03	Giardia intestinalis	5741			20	BPID00551A
H04	Cryptosporidium spp.	5806			100	BPID00547A
H05	Blastocystis hominis	12968			60	BPID00545A

Position	Species (NCBI Tax ID)/Gene	NCBI Tax ID	Antibiotic classification / Gene Description	May detect (species) / Also detect (antibiotic resistance genes) / Associated species (virulence factor genes)	Sensitivity	Assay Catalog #
H06	Campylobacter spp.	194			30	BPID00546A
H07	Yersinia enterocolitica	630			100	BPID00357A
H08	ipaH	620	Escherichia coli 53638(344610)		90	BPVF00560A
H09	Salmonella spp.	590			40	BPID00552A
H10	Plesiomonas shigelloides	703			30	BPID00267A
H11	Aeromonas enteropelogenes(29489), Aeromonas punctata(648), Aeromonas media(651) Aeromonas hydrophila	644		Shewanella benthica(43661)	100	BPID00022A
H12	PPC					

No Template Control (NTC)>35

Microbial DNA Positive Control<34

Note: On Stratagene instruments, Ct of the positive control template >34

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

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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