

# Real-time PCR Kit Series

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## DNA Decontamination Reagent

NEW

Cat No.	Product			Size
CL0001	PowerCleanser™ DNA Remover			500 mL

## Clinical Dx

### Zika virus & Mosquito-Borne Disease Virus CE IVD

NEW

NEW

NEW

Cat No.	Product	Analyte	Fluorophore	Size
R5005T	PowerChek™ ZIKV & DENV Real-time PCR Kit	- Zika virus - Dengue virus - Internal Control	FAM, VIC(HEX or JOE), Cy5	50
R5001T	PowerChek™ JEV & WNV Real-time PCR Kit	- Japanese encephalitis virus - West Nile virus - Internal Control	FAM, VIC(HEX or JOE), Cy5	50
R5002T	PowerChek™ YFV & DENV Real-time PCR Kit	- Yellow fever virus - Dengue virus - Internal Control	FAM, VIC(HEX or JOE), Cy5	50
R5504	PowerChek™ ZIKV / DENV / CHIKV Multiplex Real-time PCR Kit	- Zika virus - Dengue virus - Chikungunya virus - Internal Control	FAM, JOE (HEX or VIC), ROX, Cy5	50
R5508	PowerChek™ Zika Virus Real-time PCR Kit	- Zika virus - Internal Control	FAM, JOE (HEX or VIC)	50
R5501	PowerChek™ DENV Real-time PCR Kit	- Dengue virus - Internal Control	FAM, JOE (HEX or VIC)	50
R5503	PowerChek™ CHIKV Multiplex Real-time PCR Kit	- Chikungunya virus - Internal Control	FAM, JOE (HEX or VIC)	50
R5505	PowerChek™ WNV Real-time PCR Kit	- West Nile virus - Internal Control	FAM, JOE (HEX or VIC)	50
R5506	PowerChek™ JEV Real-time PCR Kit	- Japanese encephalitis virus - Internal Control	FAM, JOE (HEX or VIC)	50
R5507	PowerChek™ YFV Real-time PCR Kit	- Yellow fever virus - Internal Control	FAM, JOE (HEX or VIC)	50

### Respiratory Virus & MERS-CoV CE IVD

NEW

NEW

NEW

NEW

NEW

NEW

Cat No.	Product	Analyte	Fluorophore	Size
R3106	PowerChek™ Measles & Vaccine virus Multiplex Real-time PCR Kit	- Vaccine strain (MeVA) - Measles virus (MeV) - Internal Control	FAM, JOE(VIC or HEX), Cy5	100
R3006	PowerChek™ Measles virus Real-time PCR Kit	- Measles virus - Internal Control	FAM, Cy5	100
R3007	PowerChek™ Mumps Real-time PCR Kit	- Mumps - Internal Control	FAM, Cy5	100
R3008	PowerChek™ Rubella virus Real-time PCR Kit	- envelope glycoprotein - Internal Control	FAM, Cy5	100
R1101C	PowerChek™ Bacterial Pneumonia Real-time PCR Kit I	- Streptococcus pneumoniae - Legionella pneumophila - Haemophilus influenzae - Internal Control	FAM, JOE(VIC or HEX), ROX, Cy5	50
R1102C	PowerChek™ Bacterial Pneumonia Real-time PCR Kit II	- Mycoplasma pneumoniae - Bordetella pertussis - Chlamydia pneumoniae - Internal Control	FAM, JOE(VIC or HEX), ROX, Cy5	50
R6800E	<b>[MFDS approved]</b> PowerChek™ MERS-CoV (upE&ORF1a) Real-time PCR Kit	- upE - ORF1a - Internal Control	FAM, VIC(JOE), Cy5	48
R6700E	<b>[MFDS approved]</b> PowerChek™ MERS-CoV (upE) Real-time PCR Kit	- upE - Internal Control	FAM, Cy5	48
R6701E	PowerChek™ MERS-CoV (ORF1a) Real-time PCR Kit	- ORF1a - Internal Control	FAM, Cy5	48
R6100T	<b>[MFDS approved]</b> PowerChek™ Adenovirus / Bocavirus Real-time PCR Kit	- Adenovirus - Bocavirus - Internal Control	FAM, VIC(HEX), Cy5	100
R6200T	<b>[MFDS approved]</b> PowerChek™ Parainfluenza Virus 1 / 2 / 3 Real-time PCR Kit	- Parainfluenza Virus type 1 - Parainfluenza Virus type 2 - Parainfluenza Virus type 3 - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	100
R6300T	<b>[MFDS approved]</b> PowerChek™ RSV A & B / HMV Real-time PCR Kit	- RSV A - RSV B - Human Metapneumo Virus - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	100
R6400T	<b>[MFDS approved]</b> PowerChek™ Coronavirus 229E / OC43 / NL63 Real-time PCR Kit	- Coronavirus 229E - Coronavirus OC43 - Coronavirus NL63 - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	100
R6600T	<b>[MFDS approved]</b> PowerChek™ Rhinovirus Real-time PCR Kit	- Rhinovirus - Internal Control	FAM, Cy5	100

**Influenza Virus** 

Cat No.	Product	Analyte	Fluorophore	Size
<b>NEW</b> R3301	PowerChek™ Influenza A / B (Victoria & Yamagata) Real-time PCR Kit	- Influenza A - Influenza B (Victoria) - Influenza B (Yamagata) - Internal control	FAM, JOE, Cy5, NED	100
<b>NEW</b> R3302	PowerChek™ Influenza B (Victoria & Yamagata) Real-time PCR Kit	- Influenza B (Victoria) - Influenza B (Yamagata) - Internal control	FAM, JOE, Cy5	100
<b>NEW</b> R3303	PowerChek™ Influenza A / B / pH1N1 Real-time PCR Kit	- Influenza A - Influenza B - Pandemic Influenza H1N1 - Internal control	-	100
<b>NEW</b> R3011	PowerChek™ Influenza H7 / N9 Real-time PCR Kit	- Influenza H7 - Influenza N9 - Internal Control	FAM, JOE(VIC or HEX), Cy5	50
<b>NEW</b> R3012	PowerChek™ Influenza H10 / N8 Real-time PCR Kit	- Influenza H10 - Influenza N8 - Internal Control	FAM, JOE(VIC or HEX), Cy5	50
R3300T	<b>[MFDS approved]</b> PowerChek™ Influenza A / B Real-time PCR Kit	- Influenza A - Influenza B - Internal Control	FAM, VIC(HEX), Cy5	100
R2700	PowerChek™ Influenza A / Pandemic H1N1 Real-time PCR Kit	- Influenza A - Pandemic Influenza H1N1 - Internal Control	FAM, VIC(HEX), Cy5	100
R2100E	PowerChek™ Influenza A Real-time PCR Kit	- Influenza A - Internal Control	FAM, Cy5	100
R2200E	PowerChek™ Influenza B Real-time PCR Kit	- Influenza B - Internal Control	VIC(HEX), Cy5	100
R2800	PowerChek™ Pandemic H1N1 Real-time PCR Kit	- Pandemic Influenza H1N1 - Internal Control	FAM, Cy5	100
R3500T	<b>[MFDS approved]</b> PowerChek™ Pandemic H1N1 / H3N2 / H5N1 Real-time PCR Kit	- Pandemic Influenza H1N1 - Seasonal Influenza H3N2 - Avian Influenza H5N1 - Internal Control	FAM, VIC(HEX), NED, Cy5	100
R3400	PowerChek™ Pandemic H1N1 / H3N2 Real-time PCR Kit	- Pandemic Influenza H1N1 - Seasonal Influenza H3N2 - Internal Control	FAM, VIC(HEX), Cy5	100
R3000E	PowerChek™ AI H5N1 Real-time PCR Kit	- Avian Influenza Virus H5N1 - Internal Control	FAM, VIC(HEX)	100
R3100E	PowerChek™ AI H7N7 Real-time PCR Kit	- Avian Influenza Virus H7N7 - Internal Control	FAM, VIC(HEX)	100
R3200E	PowerChek™ AI H9N2 Real-time PCR Kit	- Avian Influenza Virus H9N2 - Internal Control	FAM, VIC(HEX)	100
R3101	PowerChek™ AI M Real-time PCR Kit	- Avian Influenza M - Internal Control	FAM, VIC(HEX)	100
R3102	PowerChek™ AI H5 Real-time PCR Kit	- Avian Influenza H5 - Internal Control	FAM, VIC(HEX)	100
R3103	PowerChek™ AI H7 Real-time PCR Kit	- Avian Influenza H5 - Internal Control	FAM, VIC(HEX)	100

**Gastrointestinal Pathogen** 

Panel				
Cat No.	Product	Analyte	Fluorophore	Size
R1500	PowerChek™ 25 Gastroenteric Panel Kit	- <i>Campylobacter jejuni</i> - <i>C. coli</i> - <i>Clostridium perfringens</i> (cpe, cpa) - <i>Vibrio cholerae</i> - <i>V. vulnificus</i> - <i>V. parahaemolyticus</i> - <i>Salmonella</i> spp. - <i>Listeria monocytogenes</i> - <i>Bacillus cereus</i> - <i>Yersinia enterocolitica</i> - <i>Staphylococcus aureus</i> - EHEC (VT1, VT2), ETEC (LT, ST) - EAEC (aggR), EPEC (eaeA, bfpA) - EIEC (ipaH) - Norovirus G I - Norovirus G II - Adenovirus - Astrovirus - Rotavirus - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	32 tests
R1501	PowerChek™ 20 Bacterial Panel Kit	- <i>Campylobacter jejuni</i> - <i>C. coli</i> - <i>Clostridium perfringens</i> (cpe, cpa) - <i>Vibrio cholerae</i> - <i>V. vulnificus</i> - <i>V. parahaemolyticus</i> - <i>Salmonella</i> spp. - <i>Listeria monocytogenes</i> - <i>Bacillus cereus</i> - <i>Yersinia enterocolitica</i> - <i>Staphylococcus aureus</i> - EHEC (VT1, VT2), ETEC (LT, ST) - EAEC (aggR), EPEC (eaeA, bfpA) - EIEC (ipaH) - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	32 tests
R1502	PowerChek™ 5 Viral Panel Kit	- Norovirus G I - Norovirus G II - Adenovirus - Astrovirus - Rotavirus - Internal Control	FAM, VIC(HEX), ROX, Cy5	32 tests

Bacteria				
Cat No.	Product	Analyte	Fluorophore	Size
NEW R0179	PowerChek™ Salmonella Duplex Real-time PCR Kit (enteritidis, typhimurium)	- Salmonella Enteritidis - Salmonella Typhimurium - Internal Control	FAM, JOE (VIC or HEX), Cy5	50
NEW R0196	PowerChek™ STEC Real-time PCR Kit	- eaeA - stx1 - stx2 - Internal Control	FAM, VIC(HEX), ROX, Cy5	50
R0143E	PowerChek™ 20 Pathogen Multiplex Real-time PCR Kit	- <i>Campylobacter jejuni</i> - <i>C. coli</i> - <i>Clostridium perfringens</i> (cpe, cpa) - <i>Vibrio cholerae</i> - <i>V. vulnificus</i> - <i>V. parahaemolyticus</i> - <i>Salmonella</i> spp. - <i>Listeria monocytogenes</i> - <i>Bacillus cereus</i> - <i>Yersinia enterocolitica</i> - <i>Staphylococcus aureus</i> - EHEC (VT1, VT2), ETEC (LT, ST) - EAEC (aggR), EPEC (eaeA, bfpA) - EIEC (ipaH) - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	32 tests
R0152E	PowerChek™ Salmonella Triplex Real-time PCR Kit (spp. enteritidis, typhimurium)	- <i>Salmonella</i> spp. - <i>S. enteritidis</i> - <i>S. typhimurium</i> - Internal Control	FAM, VIC(HEX), ROX, Cy5	50
R0123E	<b>[MFDS approved]</b> PowerChek™ Salmonella & Shigella Real-time PCR Kit	- <i>Salmonella</i> spp. - <i>Shigella</i> spp. - Internal Control	FAM, VIC(HEX), Cy5	50
R0153E	PowerChek™ Salmonella typhi & paratyphi A/ B Real-time PCR Kit	- <i>Salmonella typhi</i> - <i>S. paratyphi</i> A - <i>S. paratyphi</i> B - Internal Control	FAM, VIC(HEX), ROX, Cy5	50
R0108E	PowerChek™ Salmonella spp. Real-time PCR Kit	- <i>Salmonella</i> spp. - Internal Control	FAM, VIC(HEX)	50
R0119E	PowerChek™ Salmonella enteritidis Real-time PCR Kit	- <i>Salmonella enteritidis</i> - Internal Control	FAM, VIC(HEX)	50
R0109E	PowerChek™ Shigella spp. Real-time PCR Kit	- <i>Shigella</i> spp. - Internal Control	FAM, VIC(HEX)	50
R0131T	<b>[MFDS approved]</b> PowerChek™ Diarrheal E. coli 4-plex Real-time PCR Kit I	- EHEC (VT1, VT2) - ETEC (LT, ST)	FAM, VIC(HEX), ROX/NED, Cy5	50
R0140T	PowerChek™ Diarrheal E. coli 4-plex Real-time PCR Kit II	- EPEC (eaeA, bfpA) - EIEC (ipaH) - EAEC (aggR)	FAM, VIC(HEX), ROX/NED, Cy5	50
R0121E	PowerChek™ EAEC/EIEC Real-time PCR Kit (aggR, ipaH)	- EAEC (aggR) - EIEC (ipaH) - Internal Control	FAM, VIC(HEX), Cy5	50
R0102E	PowerChek™ E. coli O157 Real-time PCR Kit	- <i>E. coli</i> O157 - Internal Control	FAM, VIC(HEX)	50
R0115E	PowerChek™ EHEC Real-time PCR Kit	- EHEC (VT1, VT2) - Internal Control	FAM, VIC(HEX), Cy5	50
R0116E	PowerChek™ ETEC Real-time PCR Kit	- ETEC (LT, ST) - Internal Control	FAM, VIC(HEX), Cy5	50
R0122E	PowerChek™ EPEC Real-time PCR Kit	- EPEC (bfpA, eaeA) - Internal Control	FAM, VIC(HEX), Cy5	50
R0136E	PowerChek™ E. coli O157 & Salmonella Real-time PCR Kit	- <i>E. coli</i> O157 - <i>Salmonella</i> spp. - Internal Control	FAM, VIC(HEX), Cy5	50
R0129E	PowerChek™ Campylobacter Triplex Real-time PCR kit (spp. jejuni, coli)	- <i>Campylobacter</i> spp. - <i>C. jejuni</i> - <i>C. coli</i> - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50
R0101E	PowerChek™ Campylobacter jejuni Real-time PCR Kit	- <i>Campylobacter jejuni</i> - Internal Control	FAM, VIC(HEX)	50
R0156E	PowerChek™ Bacillus cereus toxin Real-time PCR Kit (cer, hblc, bceT)	- cer - hblc - bceT - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50
R0104E	PowerChek™ Bacillus cereus Real-time PCR Kit	- <i>Bacillus cereus</i> - Internal Control	FAM, VIC(HEX)	50
R0106E	PowerChek™ Listeria monocytogenes Real-time PCR Kit	- <i>Listeria monocytogenes</i> - Internal Control	FAM, VIC(HEX)	50
R0103E	PowerChek™ Staphylococcus aureus Real-time PCR Kit	- <i>Staphylococcus aureus</i> - Internal Control	FAM, VIC(HEX)	50
R0117E	PowerChek™ Vibrio Multi I Real-time PCR Kit	- <i>Vibrio parahaemolyticus</i> - <i>V. cholerae</i> (ctx, hly) - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50
R0118E	PowerChek™ Vibrio Multi II Real-time PCR Kit	- <i>Vibrio cholerae</i> (ctx) - <i>V. parahaemolyticus</i> - <i>V. vulnificus</i> - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50
R0139E	PowerChek™ Vibrio parahaemolyticus Multiplex Real-time PCR Kit	- <i>Vibrio parahaemolyticus</i> (toxR, trh, tdh) - Internal Control	FAM, VIC(HEX), ROX, Cy5	50
R0105E	PowerChek™ Vibrio parahaemolyticus Real-time PCR Kit	- <i>Vibrio parahaemolyticus</i> - Internal Control	FAM, VIC(HEX)	50
R0110E	PowerChek™ Vibrio cholerae Real-time PCR Kit	- <i>Vibrio cholerae</i> - Internal Control	FAM, VIC(HEX)	50
R0113E	PowerChek™ Vibrio vulnificus Real-time PCR Kit	- <i>Vibrio vulnificus</i> - Internal Control	FAM, VIC(HEX)	50
R0124E	PowerChek™ Enterococcus Duplex Real-time PCR Kit	- <i>Enterococcus faecalis</i> - <i>Enterococcus faecium</i> - Internal Control	FAM, VIC(HEX), Cy5	50
R0107E	PowerChek™ Yersinia enterocolitica Real-time PCR Kit	- <i>Yersinia enterocolitica</i> - Internal Control	FAM, VIC(HEX)	50
R0111E	PowerChek™ Clostridium perfringens Real-time PCR Kit	- <i>Clostridium perfringens</i> - Internal Control	FAM, VIC(HEX)	50
R0112E	PowerChek™ Enterobacter sakazakii Real-time PCR Kit	- <i>Enterobacter sakazakii</i> - Internal Control	FAM, VIC(HEX)	50

Virus					
Cat No.	Product	Analyte	Fluorophore	Size	
NEW	R0213 PowerChek™ Sapovirus / Astrovirus Multiplex Real-time PCR Kit	- Sapovirus specific gene - Astrovirus specific gene - Internal Control	FAM, VIC(HEX), Cy5	50	
NEW	R0215E PowerChek™ Hepatitis E Virus Real-time PCR Kit	- Hepatitis E Virus specific gene - Internal Control	FAM, JOE (HEX or VIC)	50	
	R0210E PowerChek™ Norovirus G I/G II Multiplex Real-time PCR Kit	- Norovirus G I specific gene - Norovirus G II specific gene - Internal Control	FAM, JOE, Cy5	50	
	R0211E PowerChek™ Adeno/Astro/Rota Real-time PCR Kit	- Adenovirus specific gene - Astrovirus specific gene - Rotavirus specific gene - Internal Control	FAM, VIC(HEX), ROX, Cy5	50	
	R0209E PowerChek™ Sapovirus/Enterovirus Real-time PCR Kit	- Sapovirus specific gene - Enterovirus specific gene - Internal Control	FAM, VIC(HEX), Cy5	50	
	R0203E PowerChek™ Norovirus G I Real-time PCR Kit	- Norovirus G I specific gene - Internal Control	FAM, VIC(HEX)	50	
	R0205E PowerChek™ Norovirus G II Real-time PCR Kit	- Norovirus G II specific gene - Internal Control	FAM, VIC(HEX)	50	
	R0201E PowerChek™ Adenovirus Real-time PCR Kit	- Adenovirus specific gene - Internal Control	FAM, VIC(HEX)	50	
	R0202E PowerChek™ Astrovirus Real-time PCR Kit	- Astrovirus specific gene - Internal Control	FAM, VIC(HEX)	50	
	R0204E PowerChek™ Rotavirus Real-time PCR Kit	- Rotavirus specific gene - Internal Control	FAM, VIC(HEX)	50	
	R0212 PowerChek™ Hepatitis A Virus Real-time PCR Kit	- Hepatitis A Virus specific gene - Internal Control	FAM, VIC(HEX)	50	

### Protozoa

Cat No.	Product	Analyte	Fluorophore	Size	
NEW	R0304T PowerChek™ Malaria Real-time PCR Kit ( <i>P. falciparum</i> / <i>P. vivax</i> )	- <i>Plasmodium vivax</i> - <i>Plasmodium falciparum</i> - Internal Control	FAM, VIC(HEX), Cy5	50	
NEW	R0305T PowerChek™ <i>Toxoplasma gondii</i> Real-time PCR Kit	- <i>Toxoplasma gondii</i> - Internal Control	FAM, JOE(HEX)	50	
NEW	R0306T PowerChek™ <i>Entamoeba histolytica</i> Real-time PCR Kit	- <i>Entamoebahistolytica</i> - Internal Control	FAM, JOE(HEX)	50	
NEW	R0307T PowerChek™ <i>Cyclospora cayetanensis</i> Real-time PCR Kit	- <i>Cyclospora cayetanensis</i> - Internal Control	FAM, JOE(HEX)	50	
NEW	R0398E PowerChek™ <i>Anaplasma</i> Real-time PCR Kit	- <i>Anaplasma phagocytophilum</i> - Internal Control	FAM, JOE(HEX)	50	
NEW	R0399E PowerChek™ <i>Ehrlichia</i> Real-time PCR Kit	-	-	50	
	R0301E PowerChek™ <i>Cryptosporidium parvum</i> Real-time PCR Kit	- <i>Cryptosporidium parvum</i> - Internal Control	FAM, VIC(HEX)	50	
	R0302E PowerChek™ <i>Giardia lamblia</i> Real-time PCR Kit	- <i>Giardia lamblia</i> - Internal Control	FAM, VIC(HEX)	50	

### Tick Borne Disease

Cat No.	Product	Analyte	Fluorophore	Size	
NEW	R0309 PowerChek™ <i>Rickettsia</i> / <i>Borrelia</i> / <i>Bartonella</i> Real-time PCR Kit	- <i>Rickettsia</i> spp. - <i>Borrelia</i> spp. - <i>Bartonella</i> spp. - Internal Control	FAM, JOE (VIC or HEX), ROX, Cy5	50	
NEW	R0310 PowerChek™ <i>Ehrlichia</i> / <i>Anaplasma</i> Real-time PCR Kit	- <i>Ehrlichia</i> spp. - <i>Anaplasma</i> spp. - Internal Control	FAM, JOE (VIC or HEX), ROX	50	

### Other IVD

Cat No.	Product	Analyte	Fluorophore	Size	
	R0120 [MFDS approved] PowerChek™ MTB/NTM Real-time PCR Kit	- ITS - IS6110 - Internal Control	FAM, VIC(HEX), Cy5	100	
	R0126 PowerChek™ VRE Real-time PCR Kit	- <i>vanA</i> - <i>vanB</i> - Internal Control	FAM, VIC(HEX), Cy5	50	
	R0150 PowerChek™ MRSA Real-time PCR Kit ( <i>mecA</i> )	- <i>mecA</i> - Internal Control	VIC(HEX), Cy5	50	
	R0114E PowerChek™ <i>Legionella pneumophila</i> Real-time PCR Kit	- <i>Legionella</i> spp. - <i>L. pneumophila</i> - Internal Control	FAM, VIC(HEX), Cy5	50	
	R0125E PowerChek™ <i>Pseudomonas aeruginosa</i> Real-time PCR Kit	- <i>Pseudomonas aeruginosa</i> - Internal Control	FAM, VIC(HEX)	50	

# Food Safety

## GMO

GMO Quantification - Soy				
Cat No.	Product	Analyte	Fluorophore	Size
NEW	R2001E	PowerChek™ GM Soy RRS Real-time PCR Kit	- RRS - Soy reference gene - Internal Control	FAM, VIC(HEX) 50
NEW	R2017E	PowerChek™ GM Soy MON89788 Real-time PCR Kit	- Mon89788 - Maize reference gene - Internal Control	FAM, VIC(HEX) 50
GMO Screening				
Cat No.	Product	Analyte	Fluorophore	Size
	R2026	PowerChek™ Multiplex Universal GMO Screening Real-time PCR Kit (35S/NOS/FMV/IC)	- 35S Promoter - NOS Terminator - FMV - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5 50 tests
	R2040	PowerChek™ Multiplex Universal GMO Screening II Real-time PCR Kit	- 35S Promoter - NOS Terminator - FMV - Plant reference - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5 50 tests
	R2020	PowerChek™ Universal GMO Screening Real-time PCR Kit (35S, NOS, bar, FMV, Plant reference, IC)	- 35S Promoter - NOS Terminator - bar - FMV - Plant reference - Internal Control	FAM, VIC(HEX) 50 tests
	R2029	PowerChek™ GMO Screening Real-time PCR Kit (35S, NOS, Plant reference, IC)	- 35S Promoter - NOS Terminator - Plant reference - Internal Control	FAM, VIC(HEX) 50 tests
	R2000	PowerChek™ GM Soy Screening Real-time PCR Kit (35S, NOS, Lectin)	- 35S Promoter - NOS Terminator - Lectin	FAM 60 tests
	R2002	PowerChek™ GM Maize Screening Real-time PCR Kit (35S, NOS, SSIIb)	- 35S Promoter - NOS Terminator - SSIIb	FAM 60 tests
	R2043	PowerChek™ GMO Screening p35S & pNOS-nptII Real-time PCR Kit	- p35S & pNOS-nptII - Internal Control	FAM, JOE (VIC or HEX) 50
	R2044	PowerChek™ GMO Screening p35S-pat Real-time PCR Kit	- p35S-pat - Internal Control	FAM, JOE (VIC or HEX) 50
	R2045	PowerChek™ GMO Screening CTP2-CP4E5PS Real-time PCR Kit	- CTP2-CP4E5PS - Internal Control	FAM, JOE (VIC or HEX) 50
NEW	R2097E	PowerChek™ GMO Screening bar Real-time PCR Kit	- bar - Internal Control	FAM, VIC(HEX) 50
	R2098E	PowerChek™ GMO Screening NOS Real-time PCR Kit	- NOS Terminator - Internal Control	FAM, VIC(HEX) 50
	R2099E	PowerChek™ GMO Screening 35S Real-time PCR Kit	- 35S Promoter - Internal Control	FAM, VIC(HEX) 50
GMO Identification - Canola, Wheat and Maize				
Cat No.	Product	Analyte	Fluorophore	Size
Canola				
NEW	R2069E	PowerChek™ Canola BncruA Real-time PCR Kit	- BncruA - Internal Control	- 50
NEW	R2038E	PowerChek™ GM Canola GT73 Real-time PCR Kit	- GT73 - Internal Control	- 50
NEW	R2039E	PowerChek™ GM Canola T45 Real-time PCR Kit	- T45 - Internal Control	- 50
NEW	R2041E	PowerChek™ GM Canola Rf3 Real-time PCR Kit	- Rf3 - Internal Control	- 50
NEW	R2070E	PowerChek™ GM Canola DP-073496-4 Real-time PCR Kit	- DP-073496-4 - Internal Control	- 50
NEW	R2071E	PowerChek™ GM Canola M8 Real-time PCR Kit	- M8 - Internal Control	- 50
Wheat				
NEW	R2068E	PowerChek™ GM Wheat MON71800 Real-time PCR Kit	- Wheat MON71800 - Internal Control	- 50
Maize				
	R2003E	PowerChek™ GM Maize Bt176 Real-time PCR Kit	- Bt176 - Internal Control	FAM, VIC(HEX) 50
	R2004E	PowerChek™ GM Maize Bt11 Real-time PCR Kit	- Bt176 - Internal Control	FAM, VIC(HEX) 50
	R2005E	PowerChek™ GM Maize GA21 Real-time PCR Kit	- GA21 - Internal Control	FAM, VIC(HEX) 50
	R2006E	PowerChek™ GM Maize T25 Real-time PCR Kit	- T25 - Internal Control	FAM, VIC(HEX) 50
	R2007E	PowerChek™ GM Maize MON810 Real-time PCR Kit	- Mon810 - Internal Control	FAM, VIC(HEX) 50
	R2008E	PowerChek™ GM Maize NK603 Real-time PCR Kit	- NK603 - Internal Control	FAM, VIC(HEX) 50
	R2009E	PowerChek™ GM Maize TC1507 Real-time PCR Kit	- TC1507 - Internal Control	FAM, VIC(HEX) 50
	R2010E	PowerChek™ GM Maize MON863 Real-time PCR Kit	- Mon863 - Internal Control	FAM, VIC(HEX) 50
	R2011E	PowerChek™ GM Maize DAS59122-7 Real-time PCR Kit	- DAS59122-7 - Internal Control	FAM, VIC(HEX) 50
	R2012E	PowerChek™ GM Maize MIR604 Real-time PCR Kit	- MIR604 - Internal Control	FAM, VIC(HEX) 50
	R2013E	PowerChek™ GM Maize MON88017 Real-time PCR Kit	- Mon88017 - Internal Control	FAM, VIC(HEX) 50
	R2016E	PowerChek™ GM Maize MON89034 Real-time PCR Kit	- Mon89034 - Internal Control	FAM, VIC(HEX) 50
	R2023	PowerChek™ GM Maize Event 3272 Real-time PCR Kit	Event 3272	FAM 50
	R2024E	PowerChek™ GM Maize DP098140-6 Real-time PCR Kit	- DP098140-6 - Internal Control	FAM, VIC(HEX) 50
	R2025E	PowerChek™ GM Maize MIR162 Real-time PCR Kit	- MIR162 - Internal Control	FAM, VIC(HEX) 50

GMO Identification - Soy				
Cat No.	Product	Analyte	Fluorophore	Size
<b>Soy</b>				
R2001E	PowerChek™ GM Soy RRS Real-time PCR Kit	- RRS - Internal Control	FAM, VIC(HEX)	50
R2017E	PowerChek™ GM Soy MON89788 Real-time PCR Kit	- Mon89788 - Internal Control	FAM, VIC(HEX)	50
R2018E	PowerChek™ GM Soy A2704-12 Real-time PCR Kit	- A2704-12 - Internal Control	FAM, VIC(HEX)	50
R2021E	PowerChek™ GM Soy DP305423-1 Real-time PCR Kit	- DP305423-1 - Internal Control	FAM, VIC(HEX)	50
R2022E	PowerChek™ GM Soy DP356043-5 Real-time PCR Kit	- DP356043-5 - Internal Control	FAM, VIC(HEX)	50

### Halal test - Animal species ID

Cat No.	Product	Analyte	Fluorophore	Size
R0440E	PowerChek™ Animal ID Multiplex Real-time PCR Kit (Bovine, Sheep, Goat)	- Bovine specific gene - Sheep specific gene - Goat specific gene - Internal Control	FAM, VIC, ROX, Cy5	50
R0430E	PowerChek™ Pork Gelatin Real-time PCR Kit	- Pork Gelatin specific gene - Internal Control	FAM, VIC(HEX)	50
R0404E	PowerChek™ Porcine species Real-time PCR Kit	- Porcine specific gene - Internal Control	FAM, VIC(HEX)	50
R0401E	PowerChek™ Chicken species Real-time PCR Kit	- Chicken specific gene - Internal Control	FAM, VIC(HEX)	50
R0402E	PowerChek™ Sheep species Real-time PCR Kit	- Sheep specific gene - Internal Control	FAM, VIC(HEX)	50
R0403E	PowerChek™ Bovine species Real-time PCR Kit	- Bovine specific gene - Internal Control	FAM, VIC(HEX)	50
R0406E	PowerChek™ Horse species Real-time PCR Kit	- Horse specific gene - Internal Control	FAM, VIC(HEX)	50
R0407E	PowerChek™ Goat species Real-time PCR Kit	- Goat specific gene - Internal Control	FAM, VIC(HEX)	50
R0420E	PowerChek™ Duck species Real-time PCR Kit	- Duck species gene - Internal Control	FAM, VIC(HEX)	50
R0421E	PowerChek™ Turkey species Real-time PCR Kit	- Turkey species gene - Internal Control	FAM, VIC(HEX)	50

### Food Allergen

Cat No.	Product	Analyte	Fluorophore	Size
R0608E	PowerChek™ Peanut Real-time PCR Kit	- Peanut specific gene - Internal Control	FAM, VIC(HEX)	50
R0605E	PowerChek™ Shrimp & Crab Real-time PCR Kit	- Shrimp & Crab specific gene - Internal Control	FAM, VIC(HEX)	50
R0610E	PowerChek™ Pork Real-time PCR Kit	- Pork specific gene - Internal Control	FAM, VIC(HEX)	50
R0611E	PowerChek™ Egg Real-time PCR Kit	- Egg specific gene - Internal Control	FAM, VIC(HEX)	50
R0607E	PowerChek™ Soybean Real-time PCR Kit	- Soybean specific gene - Internal Control	FAM, VIC(HEX)	50
R0609E	PowerChek™ Milk Real-time PCR Kit	- Milk specific gene - Internal Control	FAM, VIC(HEX)	50

### Foodborne Pathogen

Panel				
Cat No.	Product	Analyte	Fluorophore	Size
R1600	PowerChek™ 25 Foodborn Pathogen Panel Kit	- <i>Campylobacter jejuni</i> - <i>C. coli</i> - <i>Clostridium perfringens</i> (cpe, cpa) - <i>Vibrio cholerae</i> - <i>V. vulnificus</i> - <i>V. parahaemolyticus</i> - <i>Salmonella</i> spp. - <i>Listeria monocytogenes</i> - <i>Bacillus cereus</i> - <i>Yersinia enterocolitica</i> - <i>Staphylococcus aureus</i> - EHEC (VT1, VT2), ETEC (LT, ST) - EAEC (aggR), EPEC (eaeA, bfpA) - EIEC (ipaH) - Norovirus G I - Norovirus G II - Adenovirus - Astrovirus - Rotavirus - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	32 tests
R1601	PowerChek™ 20 Foodborn Bacterial Panel Kit	- <i>Campylobacter jejuni</i> - <i>C. coli</i> - <i>Clostridium perfringens</i> (cpe, cpa) - <i>Vibrio cholerae</i> - <i>V. vulnificus</i> - <i>V. parahaemolyticus</i> - <i>Salmonella</i> spp. - <i>Listeria monocytogenes</i> - <i>Bacillus cereus</i> - <i>Yersinia enterocolitica</i> - <i>Staphylococcus aureus</i> - EHEC (VT1, VT2), ETEC (LT, ST) - EAEC (aggR), EPEC (eaeA, bfpA) - EIEC (ipaH) - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	32 tests
R1602	PowerChek™ 5 Foodborn Viral Panel Kit	- Norovirus G I - Norovirus G II - Adenovirus - Astrovirus - Rotavirus - Internal Control	FAM, VIC(HEX), ROX, Cy5	32 tests

Bacteria					
Cat No.	Product	Analyte	Fluorophore	Size	
NEW R0179	PowerChek™ Salmonella Duplex Real-time PCR Kit (enteritidis, typhimurium)	- Salmonella Enteritidis - Salmonella Typhimurium - Internal Control	FAM, JOE (VIC or HEX), Cy5	50	
NEW R0196	PowerChek™ STEC Real-time PCR Kit	- eaeA - stx1 - stx2 - Internal Control	FAM, VIC(HEX), ROX, Cy5	50	
R0143E	PowerChek™ 20 Pathogen Multiplex Real-time PCR Kit	- <i>Campylobacter jejuni</i> - <i>C. coli</i> - <i>Clostridium perfringens</i> (cpe, cpa) - <i>Vibrio cholerae</i> - <i>V. vulnificus</i> - <i>V. parahaemolyticus</i> - <i>Salmonella</i> spp. - <i>Listeria monocytogenes</i> - <i>Bacillus cereus</i> - <i>Yersinia enterocolitica</i> - <i>Staphylococcus aureus</i> - EHEC (VT1, VT2), ETEC (LT, ST) - EAEC (aggR), EPEC (eaeA, bfpA) - EIEC (ipaH) - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	32 tests	
R0152E	PowerChek™ Salmonella Triplex Real-time PCR Kit (spp. enteritidis, typhimurium)	- <i>Salmonella</i> spp. - <i>S. enteritidis</i> - <i>S. typhimurium</i> - Internal Control	FAM, VIC(HEX), ROX, Cy5	50	
R0123E	[MFDS approved] PowerChek™ Salmonella & Shigella Real-time PCR Kit	- <i>Salmonella</i> spp. - <i>Shigella</i> spp. - Internal Control	FAM, VIC(HEX), Cy5	50	
R0153E	PowerChek™ Salmonella typhi & paratyphi A/ B Real-time PCR Kit	- <i>Salmonella typhi</i> - <i>S. paratyphi</i> A - <i>S. paratyphi</i> B - Internal Control	FAM, VIC(HEX), ROX, Cy5	50	
R0108E	PowerChek™ Salmonella spp. Real-time PCR Kit	- <i>Salmonella</i> spp. - Internal Control	FAM, VIC(HEX)	50	
R0119E	PowerChek™ Salmonella enteritidis Real-time PCR Kit	- <i>Salmonella enteritidis</i> - Internal Control	FAM, VIC(HEX)	50	
R0109E	PowerChek™ Shigella spp. Real-time PCR Kit	- <i>Shigella</i> spp. - Internal Control	FAM, VIC(HEX)	50	
R0136E	PowerChek™ E. coli O157 & Salmonella Real-time PCR Kit	- <i>E. coli</i> O157 - <i>Salmonella</i> spp. - Internal Control	FAM, VIC(HEX), Cy5	50	
R0131T	[MFDS approved] PowerChek™ Diarrheal E. coli 4-plex Real-time PCR Kit I	- EHEC (VT1, VT2) - ETEC (LT, ST)	FAM, VIC(HEX), ROX/NED, Cy5	50	
R0140T	PowerChek™ Diarrheal E. coli 4-plex Real-time PCR Kit II	- EPEC (eaeA, bfpA) - EIEC (ipaH) - EAEC (aggR)	FAM, VIC(HEX), ROX/NED, Cy5	50	
R0121E	PowerChek™ EAEC/EIEC Real-time PCR Kit (aggR, ipaH)	- EAEC (aggR) - EIEC (ipaH) - Internal Control	FAM, VIC(HEX), Cy5	50	
R0102E	PowerChek™ E. coli O157 Real-time PCR Kit	- <i>E. coli</i> O157 - Internal Control	FAM, VIC(HEX)	50	
R0115E	PowerChek™ EHEC Real-time PCR Kit	- EHEC (VT1, VT2) - Internal Control	FAM, VIC(HEX), Cy5	50	
R0116E	PowerChek™ ETEC Real-time PCR Kit	- ETEC (LT, ST) - Internal Control	FAM, VIC(HEX), Cy5	50	
R0122E	PowerChek™ EPEC Real-time PCR Kit	- EPEC (bfpA, eaeA) - Internal Control	FAM, VIC(HEX), Cy5	50	
R0129E	PowerChek™ Campylobacter Triplex Real-time PCR kit (spp. jejuni, coli)	- <i>Campylobacter</i> spp. - <i>C. jejuni</i> - <i>C. coli</i> - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50	
R0101E	PowerChek™ Campylobacter jejuni Real-time PCR Kit	- <i>Campylobacter jejuni</i> - Internal Control	FAM, VIC(HEX)	50	
R0156E	PowerChek™ Bacillus cereus toxin Real-time PCR Kit (cer, hblc, bceT)	- cer - hblc - bceT - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50	
R0104E	PowerChek™ Bacillus cereus Real-time PCR Kit	- <i>Bacillus cereus</i> - Internal Control	FAM, VIC(HEX)	50	
R0106E	PowerChek™ Listeria monocytogenes Real-time PCR Kit	- <i>Listeria monocytogenes</i> - Internal Control	FAM, VIC(HEX)	50	
R0103E	PowerChek™ Staphylococcus aureus Real-time PCR Kit	- <i>Staphylococcus aureus</i> - Internal Control	FAM, VIC(HEX)	50	
R0117E	PowerChek™ Vibrio Multi I Real-time PCR Kit	- <i>Vibrio parahaemolyticus</i> - <i>V. cholerae</i> (ctx, hly) - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50	
R0118E	PowerChek™ Vibrio Multi II Real-time PCR Kit	- <i>Vibrio cholerae</i> (ctx) - <i>V. parahaemolyticus</i> - <i>V. vulnificus</i> - Internal Control	FAM, VIC(HEX), ROX/NED, Cy5	50	
R0139E	PowerChek™ Vibrio parahaemolyticus Multiplex Real-time PCR Kit	- <i>Vibrio parahaemolyticus</i> (toxR, trh, tdh) - Internal Control	FAM, VIC(HEX), ROX, Cy5	50	
R0105E	PowerChek™ Vibrio parahaemolyticus Real-time PCR Kit	- <i>Vibrio parahaemolyticus</i> - Internal Control	FAM, VIC(HEX)	50	
R0110E	PowerChek™ Vibrio cholerae Real-time PCR Kit	- <i>Vibrio cholerae</i> - Internal Control	FAM, VIC(HEX)	50	
R0113E	PowerChek™ Vibrio vulnificus Real-time PCR Kit	- <i>Vibrio vulnificus</i> - Internal Control	FAM, VIC(HEX)	50	
R0124E	PowerChek™ Enterococcus Duplex Real-time PCR Kit	- <i>Enterococcus faecalis</i> - <i>Enterococcus faecium</i> - Internal Control	FAM, VIC(HEX), Cy5	50	
R0107E	PowerChek™ Yersinia enterocolitica Real-time PCR Kit	- <i>Yersinia enterocolitica</i> - Internal Control	FAM, VIC(HEX)	50	
R0111E	PowerChek™ Clostridium perfringens Real-time PCR Kit	- <i>Clostridium perfringens</i> - Internal Control	FAM, VIC(HEX)	50	
R0112E	PowerChek™ Enterobacter sakazakii Real-time PCR Kit	- <i>Enterobacter sakazakii</i> - Internal Control	FAM, VIC(HEX)	50	
R0114E	PowerChek™ Legionella pneumophila Real-time PCR Kit	- <i>Legionella</i> spp. - <i>L. pneumophila</i> - Internal Control	FAM, VIC(HEX), Cy5	50	
R0166	PowerChek™ Alicyclobacillus Real-time PCR Kit	- <i>Alicyclobacillus acidoterrestris</i> - <i>A. spp.</i> - Internal Control	FAM, VIC (JOE), Cy5	50	

Virus				
Cat No.	Product	Analyte	Fluorophore	Size
NEW	R0213 PowerChek™ Sapovirus / Astrovirus Multiplex Real-time PCR Kit	- Sapovirus specific gene - Astrovirus specific gene - Internal Control	FAM, VIC(HEX), Cy5	50
NEW	R0215E PowerChek™ Hepatitis E Virus Real-time PCR Kit	- Hepatitis E Virus specific gene - Internal Control	FAM, JOE (HEX or VIC)	50
	R0210E PowerChek™ Norovirus G I/G II Multiplex Real-time PCR Kit	- Norovirus G I specific gene - Norovirus G II specific gene - Internal Control	FAM, JOE, Cy5	50
	R0211E PowerChek™ Adeno/Astro/Rota Real-time PCR Kit	- Adenovirus specific gene - Astrovirus specific gene - Rotavirus specific gene - Internal Control	FAM, VIC(HEX), ROX, Cy5	50
	R0209E PowerChek™ Sapovirus/Enterovirus Real-time PCR Kit	- Sapovirus specific gene - Enterovirus specific gene - Internal Control	FAM, VIC(HEX), Cy5	50
	R0208E PowerChek™ Enterovirus Real-time PCR Kit	- Enterovirus specific gene - Internal Control	FAM, VIC(HEX)	50
	R0203E PowerChek™ Norovirus G I Real-time PCR Kit	- Norovirus G I specific gene - Internal Control	FAM, VIC(HEX)	50
	R0205E PowerChek™ Norovirus G II Real-time PCR Kit	- Norovirus G II specific gene - Internal Control	FAM, VIC(HEX)	50
	R0201E PowerChek™ Adenovirus Real-time PCR Kit	- Adenovirus specific gene - Internal Control	FAM, VIC(HEX)	50
	R0202E PowerChek™ Astrovirus Real-time PCR Kit	- Astrovirus specific gene - Internal Control	FAM, VIC(HEX)	50
	R0204E PowerChek™ Rotavirus Real-time PCR Kit	- Rotavirus specific gene - Internal Control	FAM, VIC(HEX)	50
	R0212 PowerChek™ Hepatitis A Virus Real-time PCR Kit	- Hepatitis A Virus specific gene - Internal Control	FAM, VIC(HEX)	50

**Protozoa** 

Cat No.	Product	Analyte	Fluorophore	Size
NEW	R0304T PowerChek™ Malaria Real-time PCR Kit ( <i>P. falciparum</i> / <i>P. vivax</i> )	- <i>Plasmodium vivax</i> - <i>Plasmodium falciparum</i> - Internal Control	FAM, VIC(HEX), Cy5	50
NEW	R0305T PowerChek™ <i>Toxoplasma gondii</i> Real-time PCR Kit	- <i>Toxoplasma gondii</i> - Internal Control	FAM, JOE(HEX)	50
NEW	R0306T PowerChek™ <i>Entamoeba histolytica</i> Real-time PCR Kit	- <i>Entamoeba histolytica</i> - Internal Control	FAM, JOE(HEX)	50
NEW	R0307T PowerChek™ <i>Cyclospora cayetanensis</i> Real-time PCR Kit	- <i>Cyclospora cayetanensis</i> - Internal Control	FAM, JOE(HEX)	50
NEW	R0398E PowerChek™ <i>Anaplasma</i> Real-time PCR Kit	- <i>Anaplasma phagocytophilum</i> - Internal Control	FAM, JOE(HEX)	50
NEW	R0399E PowerChek™ <i>Ehrlichia</i> Real-time PCR Kit	-	-	50
	R0301E PowerChek™ <i>Cryptosporidium parvum</i> Real-time PCR Kit	- <i>Cryptosporidium parvum</i> - Internal Control	FAM, VIC(HEX)	50
	R0302E PowerChek™ <i>Giardia lamblia</i> Real-time PCR Kit	- <i>Giardia lamblia</i> - Internal Control	FAM, VIC(HEX)	50



## Animal Health

### Avian Influenza

Cat No.	Product	Analyte	Fluorophore	Size
NEW R2500E	PowerChek™ Avian Influenza Triplex Real-time PCR Kit (H5N1,H7N7,H9N2)	-	-	100
R3000E	PowerChek™ AI H5N1 Real-time PCR Kit	- Avian Influenza H5N1 - Internal Control	FAM, VIC(HEX)	100
R3100E	PowerChek™ AI H7N7 Real-time PCR Kit	- Avian Influenza H7N7 - Internal Control	FAM, VIC(HEX)	100
R3200E	PowerChek™ AI H9N2 Real-time PCR Kit	- Avian Influenza H9N2 - Internal Control	FAM, VIC(HEX)	100
R3101	PowerChek™ AI M Real-time PCR Kit	- Avian Influenza M - Internal Control	FAM, VIC(HEX)	100
R3102	PowerChek™ AI H5 Real-time PCR Kit	- Avian Influenza H5 - Internal Control	FAM, VIC(HEX)	100
R3103	PowerChek™ AI H7 Real-time PCR Kit	- Avian Influenza H7 - Internal Control	FAM, VIC(HEX)	100

### Poultry

Cat No.	Product	Analyte	Fluorophore	Size
NEW R0847T	PowerChek™ ILTV Real-time PCR Kit	- Infectious Laryngotracheitis - Internal Control	FAM, JOE (VIC or HEX)	50
NEW R0848E	PowerChek™ AEV Real-time PCR Kit	- Avian encephalomyelitis - Internal Control	FAM, JOE (VIC or HEX)	50
R0840E	PowerChek™ Newcastle Disease Virus Real-time PCR Kit	- Newcastle Disease Virus - Internal Control	FAM, VIC(HEX)	50
R0825E	PowerChek™ Riemerella anatipestifer Real-time PCR Kit	- <i>Riemerella anatipestifer</i> - Internal Control	FAM, JOE (VIC or HEX)	50
R0819E	PowerChek™ Fowl Adeno / CAV / MD Triplex Real-time PCR Kit	- Fowl Adenovirus - Chicken anemia virus - Marek's disease virus - Internal Control	FAM, VIC (HEX), ROX, Cy5	50
R0812E	PowerChek™ Mycoplasma gallisepticum / Mycoplasma synoviae Real-time PCR Kit	- <i>Mycoplasma gallisepticum</i> - <i>Mycoplasma synoviae</i> - Internal Control	FAM, VIC (HEX), Cy5	50
R0818E	PowerChek™ Salmonella gallinarum / Salmonella pullorum Real-time PCR Kit	- <i>Salmonella gallinarum</i> - <i>Salmonella pullorum</i> - Internal Control	FAM, VIC (HEX), Cy5	50
R0811E	PowerChek™ IBV Real-time PCR Kit	- Avian infectious bronchitis virus - Internal Control	FAM, JOE (VIC or HEX)	50
R0823E	PowerChek™ IBDV Real-time PCR Kit	- Avian infectious bursal disease virus - Internal Control	FAM, JOE (VIC or HEX)	50
R0824E	PowerChek™ IBV / IBDV Real-time PCR Kit	- Avian infectious bronchitis virus - Avian infectious bursal disease virus - Internal Control	FAM, JOE (VIC or HEX), Cy5	50
R0834E	PowerChek™ Duck Viral Enteritis Real-time PCR Kit	- Duck Viral Enteritis - Internal Control	FAM, JOE (VIC or HEX)	50
R0899E	PowerChek™ DHAV Real-time PCR Kit	- Duck Hepatitis A Virus - Internal Control	FAM, JOE (VIC or HEX)	50

### Bovine

Cat No.	Product	Analyte	Fluorophore	Size
NEW R0839T	PowerChek™ FMDV Multiplex Real-time PCR Kit (3D/IRES)	- 3D - IRES - Internal Control	FAM, JOE (VIC or HEX), Cy5	50
NEW R0841T	PowerChek™ Bovine Leukemia Virus Real-time PCR Kit	- Bovine leukemia virus - Internal Control	FAM, JOE (VIC or HEX)	50
R0801E	PowerChek™ Brucella Real-time PCR Kit	- Brucella - Internal Control	FAM, JOE (VIC or HEX)	50
R0807E	PowerChek™ BVDV Real-time PCR Kit	- Bovine viral diarrhea virus - Internal Control	FAM, JOE (VIC or HEX)	50
R0808E	PowerChek™ BCV Real-time PCR Kit	- Bovine circovirus - Internal Control	FAM, JOE (VIC or HEX)	50
R0810E	PowerChek™ BRV Real-time PCR Kit	- Bovine rotavirus - Internal Control	FAM, JOE (VIC or HEX)	50
R0815E	PowerChek™ Bovine Disease Virus Triplex Real-time PCR Kit	- Bovine viral diarrhea virus - Bovine circovirus - Bovine rotavirus - Internal Control	FAM, JOE (VIC or HEX), ROX, Cy5	50
R0813E	PowerChek™ Bovine Tuberculosis Real-time PCR Kit	- IS1081 - IS6110 - Internal Control	FAM, VIC (HEX), Cy5	50
R0814E	PowerChek™ Mycoplasma bovis Real-time PCR Kit	- <i>Mycoplasma bovis</i> - Internal Control	FAM, JOE (VIC or HEX)	50
R0817E	PowerChek™ FMD Real-time PCR Kit	- Foot and mouth disease - Internal Control	FAM, JOE (HEX)	50

### Ruminant

Cat No.	Product	Analyte	Fluorophore	Size
R0827E	PowerChek™ Clostridium chauvoei Real-time PCR Kit	- Clostridium chauvoei - Internal Control	FAM, JOE (VIC or HEX)	50
R0835E	PowerChek™ PPRV Real-time PCR Kit	- Peste des petits ruminants virus - Internal Control	FAM, JOE (VIC or HEX)	50
R0838E	PowerChek™ Mycobacterium Paratuberculosis Real-time PCR Kit	- Mycobacterium Paratuberculosis - Internal Control	FAM, VIC (HEX), Cy5	50

## Swine

	Cat No.	Product	Analyte	Fluorophore	Size
NEW	R0857	PowerChek™ ASFV Real-time PCR Kit Ver.1.0	- African swine fever virus - Internal Control	FAM, JOE (VIC or HEX)	50
NEW	R0858	PowerChek™ Swine Disease Panel Kit (ASFV, PRRSV, CSFV)	- African swine fever virus - PRRSV NA type - PRRSV EU type - Classical swine fever virus - Internal Control	-	50
NEW	R0846T	PowerChek™ PDCoV Real-time PCR Kit	- Porcine Deltacoronavirus - Internal Control	FAM, JOE (VIC or HEX)	50
	R0803E	PowerChek™ PEDV Real-time PCR Kit	- Porcine epidemic diarrhea virus - Internal Control	FAM, JOE (VIC or HEX)	50
	R0804E	PowerChek™ CSFV Real-time PCR Kit (Hog cholerae)	- Classical swine fever virus - Internal Control	FAM, JOE (HEX)	50
	R0837E	PowerChek™ Porcine Rotavirus Real-time PCR Kit	- Porcine Rotavirus - Internal Control	FAM, JOE (VIC or HEX)	50
	R0816E	PowerChek™ PRRSV Real-time PCR Kit (EU/NA)	- PRRSV NA type - PRRSV EU type - Internal Control	FAM, VIC (HEX), Cy5	50
	R0821E	PowerChek™ PRRSV / PCV2 Real-time PCR Kit	- PRRSV NA type - PRRSV EU type - Porcine circovirus type 2 - Internal Control	FAM, VIC (HEX), ROX, Cy5	50
	R0833E	PowerChek™ EMCV / JEV Real-time PCR Kit	- Encephalomyocarditis virus - Japanese encephalitis virus - Internal Control	FAM, JOE, Cy5	50
	R0836E	PowerChek™ PEDV / TGEV Real-time PCR Kit	- Porcine epidemic diarrhea virus - Transmissible gastroenteritis virus - Internal Control	FAM, VIC (HEX), Cy5	50
	R0809E	PowerChek™ PCV2 Real-time PCR Kit	- Porcine circovirus type 2 - Internal Control	FAM, JOE (VIC or HEX)	50
	R0826E	PowerChek™ Mycoplasma hyopneumoniae Real-time PCR Kit	- <i>Mycoplasma hyopneumoniae</i> - Internal Control	FAM, JOE (VIC or HEX)	50
	R0829E	PowerChek™ Brachyspira hyodysenteriae Real-time PCR Kit	- <i>Brachyspira hyodysenteriae</i> - Internal Control	FAM, JOE (VIC or HEX)	50
	R0830E	PowerChek™ Lawsonia intracellularis Real-time PCR Kit	- <i>Lawsonia intracellularis</i> - Internal Control	FAM, JOE (VIC or HEX)	50
	R0831E	PowerChek™ Brachyspira pilosicoli Real-time PCR Kit	- <i>Brachyspira pilosicoli</i> - Internal Control	FAM, JOE (VIC or HEX)	50
	R0832E	PowerChek™ ADV / PPV Real-time PCR Kit	- Aujeszky's disease virus - Porcine parvovirus - Internal Control	FAM, JOE (VIC or HEX), Cy5	50

## Others

	Cat No.	Product	Analyte	Fluorophore	Size
NEW	R0895E	PowerChek™ Canine distemper Real-time PCR Kit	- Canine distemper - Internal Control	FAM, JOE (HEX)	50
NEW	R0851	PowerChek™ WSSV Real-time PCR Kit	- White spot syndrome virus - Internal Control	FAM, VIC (HEX)	50
NEW	R0828E	PowerChek™ Equine Herpesvirus type 1 & 4 Real-time PCR Kit	- Equine Herpesvirus type 1 - Equine Herpesvirus type 4 - Internal Control	FAM, JOE (VIC or HEX), Cy5	50
	R0820E	PowerChek™ Rabies Real-time PCR Kit	- Rabies Virus - Internal Control	FAM, JOE (VIC or HEX)	50

## Plant Disease

Cat No.	Product	Analyte	Fluorophore	Size
R0901	PowerChek™ PWN Real-time PCR Kit	- <i>B. xylophilus</i> - <i>B. mucronatus</i>	FAM, VIC(HEX)	50
R0903	PowerChek™ RSV Real-time PCR Kit	Rice Stripe Virus	FAM	50
R0906	PowerChek™ CGMMV Real-time PCR Kit	Cucumber Green Mottle Mosaic Virus	VIC(HEX)	50
R0912	PowerChek™ PMMoV Real-time PCR Kit	Pepper Mild Mottle Virus	FAM	50
R0917	PowerChek™ ToMV Real-time PCR Kit	Tobacco Mosaic Virus	VIC(HEX)	50
R0919	PowerChek™ WMV Real-time PCR Kit	Watermelon Mottle Virus	VIC(HEX)	50
R0920	PowerChek™ CMV Real-time PCR Kit	Watermelon Mottle Virus	FAM	50
R0922	PowerChek™ MNSV Real-time PCR Kit	Melon Necrotic Spot Virus	FAM	50
R0924	PowerChek™ Rice Virus Triplex Real-time PCR Kit (RSV, RDV, RBSDV)	- Rice Stripe Virus - Rice Dwarf Virus - Rice Black-Streaked Dwarf Virus	FAM, VIC(HEX), Cy5	50
R0925	PowerChek™ PLRV Real-time PCR Kit	Potato Leaf Roll Virus	VIC(HEX)	50
R0926E	PowerChek™ PAMV Real-time PCR Kit	Potato Aucuba Mosaic Virus	FAM, VIC(HEX)	50
R0928	PowerChek™ PVX Real-time PCR Kit	Potato Virus X	FAM	50
R0929	PowerChek™ PepMoV Real-time PCR Kit	Pepper Mottle Virus	FAM	50
R0931	PowerChek™ LVX Real-time PCR Kit	Lily Virus X	VIC(HEX)	50
R0933	PowerChek™ CMV+ToMV Real-time PCR Kit	- Cucumber Mosaic Virus - Tomato Mosaic Virus	FAM, VIC(HEX)	50
R0934E	PowerChek™ PAMV+PLRV Real-time PCR Kit	- Potato Aucuba Mosaic Virus - Potato Leaf Roll Virus	FAM, VIC(HEX)	50
R0939	PowerChek™ TSWV+TYLCV Real-time PCR Kit	- Tomato Spotted Wilt Virus - Tomato Yellow Leaf Curl Virus	FAM, VIC(HEX)	50
R0940	PowerChek™ TYLCV Real-time PCR Kit	Tomato Yellow Leaf Curl Virus	VIC(HEX)	50
R0941	PowerChek™ TSWV Real-time PCR Kit	Tomato Spotted Wilt Virus	FAM	50
R0942	PowerChek™ LMoV Real-time PCR Kit	Lily Mottle Virus	VIC(HEX)	50
R0943	PowerChek™ LSV Real-time PCR Kit	Lily Symptomless Virus	Cy5	50
R0944	PowerChek™ Lily Virus Triplex Real-time PCR Kit (CMV, LMoV, LSV)	- Cucumber Mosaic Virus - Lily Mottle Virus - Lily Symptomless Virus	FAM, VIC(HEX), Cy5	50
R0945	PowerChek™ Xanthomonas campestris Real-time PCR Kit (Bacterial blight)	<i>Xanthomonas campestris</i>	VIC(HEX)	50
R0946	PowerChek™ PVX+PVY Real-time PCR Kit	- Potato Virus X - Potato Virus Y	FAM, VIC(HEX)	50
R0947	PowerChek™ PVY Real-time PCR Kit	Potato Virus Y	VIC(HEX)	50