

PowerChek™ Food Safety Real-time PCR Kit series

Food Safety Testing

Foodborne Pathogen ▪ Animal Species ID ▪ GMO ▪ Food Allergen ID ▪ DNA Extraction







Food Safety Testing Kit

- Foodborne Pathogen 6
- Animal Species ID 10
- GMO 14
- Food Allergen ID 18
- DNA Extraction 20



Comprehensive Solution for Food Safety

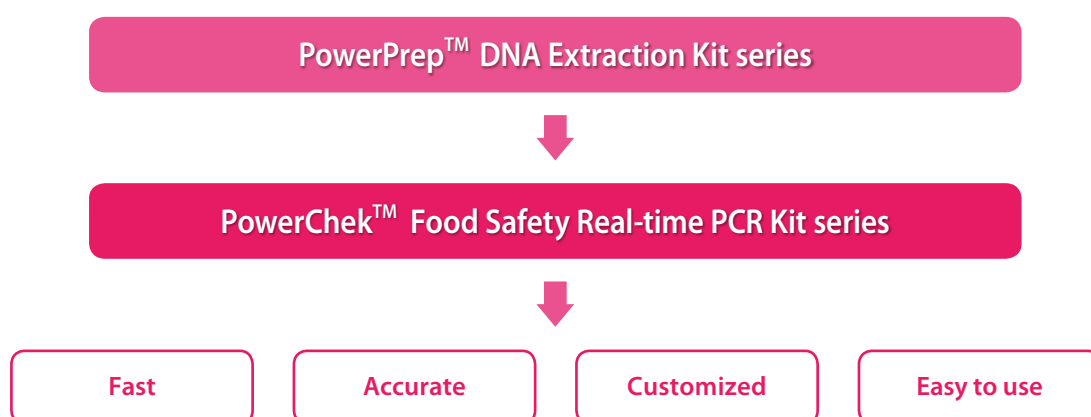
Effective food control system are essential to protect the health and safety of consumers. Therefore, the safety of food supply has become an increasingly important issue, and food companies and food testing organizations are seeking more fast and accurate tools and methods to help protect public health.

KogeneBiotech provides complete and reliable solution in food safety testing. Based on state-of-the-art Real-time PCR technologies, PowerChek™ Food Safety Real-time PCR Kit series enable simple, fast and reliable detection of a wide range of foodborne pathogens, waterborne pathogens, animal species ID, GMO and food allergens.

Designed with quality control and technical support, PowerChek™ Food Safety Real-time PCR Kits helps guarantee the comprehensive testing of food products. PowerChek™ System is a flexible and open system allowing rapid results from a broad spectrum of food matrices and simplifying the testing process.

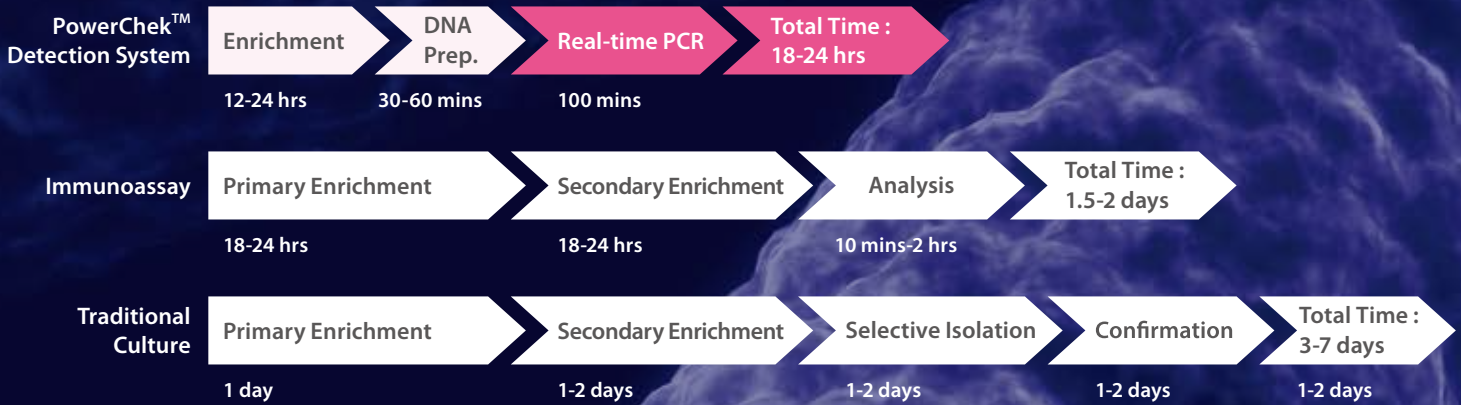
Complementing the Real-time PCR detection assays, KogeneBiotech offers easy and efficient sample preparation kits specifically designed for the use of a variety use of food matrices.

- Foodborne Pathogen
- Animal Species ID
- GMO
- Food Allergen ID
- DNA Extraction



The PowerChek™ Food Safety Real-time PCR Kit

Super Fast & Sensitive Testing for Foodborne Pathogen



Simple & Easy Procedure

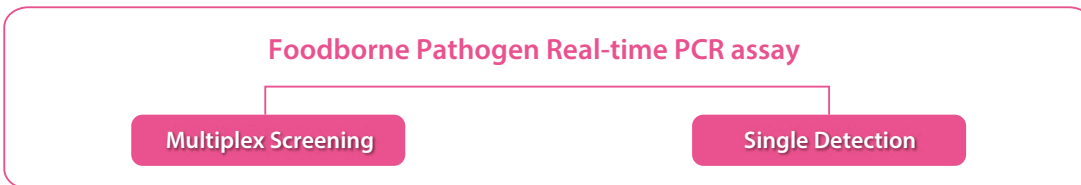


Foodborne Pathogen

When foodborne disease outbreaks, it is most important to perform laboratory-based surveillance for causative pathogens and epidemiological study as soon as possible. For food processors and inspectors, current culture methods require at least 3-5 days for results and subjective interpretation.



PowerChek™ Foodborne Pathogen Real-time PCR Kit series enable simple, fast and reliable detection of major bacterial and viral contaminants in food. This system can simultaneously detect multiple pathogens or genes within just a single reaction and few hours.



Benefits & Key Features

Super Fast, Simple and Easy

- Easy to use in less than 100 mins
- Total 18~24 hours time-to result, including pre-enrichment step

A Complete Solution Kit

- Included all reagents required to run Real-time PCR
- Designed for rapid implementation in food testing lab
- As fast, easy and reliable as possible.

Compatibility - Flexible open system

LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96	LightCycler® 480	Mx3005P	Rotor-Gene Q
●	●	●	●	●

PowerPrep™ DNA Extraction Kit

Cat No.	Size (Samples)	Product	Application	Sample Matrices	Purification Module
E0105	50	PowerPrep™ Quick DNA Extraction Kit	Preparation for bacterial DNA	<ul style="list-style-type: none"> • Enrichment culture of various food samples • Cultured bacteria • Stool 	Boiling
E0002	100	PowerPrep™ DNA Extraction from Food & Feed Kit	Foodborne pathogen	<ul style="list-style-type: none"> • General processed food • Cultured broth & agar 	Silica spin column

Bacteria



- Salmonella*
- Campylobacter*
- Listeria monocytogenes*
- Vibrio*
- Pathogenic *E.coli*
- Staphylococcus aureus* etc.

Virus





- Norovirus GI /GII
- Adenovirus
- Rotavirus
- Astrovirus
- Hepatitis A virus

PowerChek™ Foodborne Pathogen Real-time PCR Kit series

Foodborne Bacteria

Cat #	PowerChek™ Foodborne Bacteria Real-time PCR Kit series	Analyte
R0101E	PowerChek™ Campylobacter jejuni Real-time PCR Kit	<i>Campylobacter jejuni</i> , IC
R0102E	PowerChek™ E.coli O157 Real-time PCR Kit (VT2)	<i>E. coli</i> O157, IC
R0103E	PowerChek™ Staphylococcus aureus Real-time PCR Kit	<i>Staphylococcus aureus</i> , IC
R0104E	PowerChek™ Bacillus cereus Real-time PCR Kit	<i>Bacillus cereus</i> , IC
R0105E	PowerChek™ Vibrio parahaemolyticus Real-time PCR Kit	<i>Vibrio parahaemolyticus</i> , IC
R0106E	PowerChek™ Listeria monocytogenes Real-time PCR Kit	<i>Listeria monocytogenes</i> , IC
R0107E	PowerChek™ Yersinia enterocolitica Real-time PCR Kit	<i>Yersinia enterocolitica</i> , IC
R0108E	PowerChek™ Salmonella spp. Real-time PCR Kit	<i>Salmonella spp.</i> , IC
R0109E	PowerChek™ Shigella spp. Real-time PCR Kit	<i>Shigella spp.</i> , IC
R0110E	PowerChek™ Vibrio cholerae Real-time PCR Kit	<i>Vibrio cholerae</i> , IC
R0111E	PowerChek™ Clostridium perfringens Real-time PCR Kit	<i>Clostridium perfringens</i> , IC
R0113E	PowerChek™ Vibrio vulnificus Real-time PCR Kit	<i>Vibrio vulnificus</i> , IC
R0115E	PowerChek™ EHEC Real-time PCR Kit	EHEC (stx1, stx2), IC
R0116E	PowerChek™ ETEC Real-time PCR Kit	ETEC (LT, ST), IC
R0121E	PowerChek™ EAEC/EIEC Real-time PCR Kit with IC	EAEC (aggR), EIEC (ipaH)
R0122E	PowerChek™ EPEC Real-time PCR Kit	EPEC (bfpA, eaeA)
R0131	PowerChek™ Diarrheal E.coli 4-plex Real-time PCR Kit I	EHEC (VT1, VT2), ETEC (LT, ST)
R0140T	PowerChek™ Diarrheal E.coli 4-plex Real-time PCR kit II	EPEC (eaeA, bfpA), EIEC (ipaH), EAEC (aggR)
R0129E	PowerChek™ Campylobacter Triplex Real-time PCR Kit	<i>Campylobacter spp.</i> , <i>C. jejuni</i> , <i>C. coli</i> , IC
R0136E	PowerChek™ E.coli O157 & Salmonella Real-time PCR Kit	<i>E. coli</i> O157, <i>Salmonella spp.</i> , IC
R0139E	PowerChek™ Vibrio parahaemolyticus Multiplex Real-time PCR Kit	<i>Vibrio parahaemolyticus</i> (toxR, trh, tdh), IC
R0117E	PowerChek™ Vibrio Multi I Real-time PCR Kit	<i>Vibrio parahaemolyticus</i> , <i>V. cholerae</i> (ctx, hly), IC
R0118E	PowerChek™ Vibrio Multi II Real-time PCR Kit	<i>Vibrio cholerae</i> (ctx), <i>V. parahaemolyticus</i> , <i>V. vulnificus</i> , IC
R0123E	PowerChek™ Salmonella & Shigella Real-time PCR Kit	<i>Salmonella spp.</i> , <i>Shigella spp.</i> , IC <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>
R0143E	PowerChek™ 20 Pathogen Multiplex Real-time PCR Kit	<i>Listeria monocytogenes</i> , <i>Salmonella spp.</i> , IC <i>Bacillus cereus</i> , <i>Yersinia enterocolitica</i> , <i>Staphylococcus aureus</i> EHEC (VT1, VT2), ETEC (LT, ST) EAEC (aggR) EPEC (bfpA, eaeA), EIEC (ipaH)
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>Listeria monocytogenes</i> , <i>Salmonella spp.</i> , IC <i>Bacillus cereus</i> , <i>Yersinia enterocolitica</i> , <i>Staphylococcus aureus</i> EHEC (VT1, VT2), ETEC (LT, ST) EAEC (aggR) EPEC (bfpA, eaeA), EIEC (ipaH) Norovirus G I / G II Adenovirus, Astrovirus, Rotavirus
R0166 	PowerChek™ Alicyclobacillus Real-time PCR Kit	<i>Alicyclobacillus spp.</i> , <i>A. acidoterrestris</i> , IC

Waterborne Pathogen

Cat #	PowerChek™ Virus Real-time PCR Kit series	Analyte
R0201E	PowerChek™ Adenovirus Real-time PCR Kit	Adenovirus specific gene, IC
R0202E	PowerChek™ Astrovirus Real-time PCR Kit	Astrovirus specific gene, IC
R0203E	PowerChek™ Norovirus G I Real-time PCR Kit	Norovirus GI specific gene, IC
R0204E	PowerChek™ Rotavirus Real-time PCR Kit	Rotavirus specific gene, IC
R0205E	PowerChek™ Norovirus G II Real-time PCR Kit	Norovirus GII specific gene, IC
R0210 	PowerChek™ Norovirus G I / G II Real-time PCR Kit	Norovirus GI specific gene, Norovirus GII specific gene, IC
R0211 	PowerChek™ Adeno / Astro / Rota Real-time PCR Kit	Adenovirus specific gene, Astrovirus specific gene, Rotavirus specific gene, IC
R0212 	PowerChek™ Hepatitis A virus Real-time PCR Kit	Hepatitis A virus specific gene, IC
R1602 	PowerChek™ 5 Foodborn Viral Panel Kit	Norovirus G I / G II, IC, Adenovirus / Astrovirus / Rotavirus, IC
Cat #	PowerChek™ Bacteria Real-time PCR Kit series	Analyte
R0114E	PowerChek™ Legionella pneumophila Real-time PCR Kit	<i>Legionella spp.</i> , <i>Legionella pneumophila</i> , IC
R0125E	PowerChek™ Pseudomonas aeruginosa Real-time PCR Kit	<i>Pseudomonas aeruginosa</i> , IC
Cat #	PowerChek™ Protozoa Real-time PCR Kit series	Analyte
R0301E	PowerChek™ Cryptosporidium parvum Real-time PCR Kit	<i>Cryptosporidium parvum</i> , IC
R0302E	PowerChek™ Giardia lamblia Real-time PCR Kit	<i>Giardia lamblia</i> , IC

※ IC : Internal Control

Size	Fluorephore	ABI® 7500 series	ABI® 7900	ABI® 7300	AB StepOne™	AB StepOne Plus™	BioRad CFX96	BioRad iCycler IQ5	Qiagen RotorGeneQ	Roche LightCycler®480	Roche LightCycler® Nano	Agilent Mx3005P
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
50	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	●	●	★	●	●	●	●
32 tests	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
32 tests	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
32 tests	FAM, VIC(HEX), ROX, Cy5	●	●	●	●	●	●	★	●	●	●	●
32 tests	FAM, VIC(HEX), NED, Cy5	●	●	●	●	●	●	●	●	●	●	●
50	FAM, JOE, Cy5	●	●	●	●	●	●	★	●	●	●	●

Size	Fluorophore	ABI® 7500 series	AB StepOne™	AB StepOne Plus™	BioRad CFX96	BioRad iCycler IQ5	Qiagen RotorGeneQ	Roche LightCycler®480	Agilent Mx3005P
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	★	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	★	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), NED/ROX, Cy5	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX), Cy5	●	●	●	●	★	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●
50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●

★ Compatible with fluorophore, but not validated on this machine





PowerChek™ Animal Species ID Real-time PCR Kit series

Animal Species ID

Animal ID Multiplex
(Beef,sheep,Goat)

Pork Gelatin

Bovine

Porcine

Chicken

Goat

Sheep

Horse

Duck

Turkey

Food Authentication Animal Species ID



Intended Use

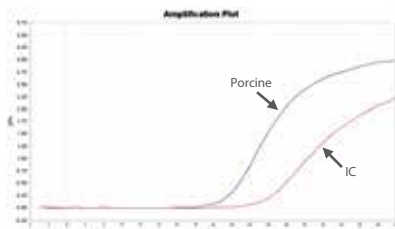
- Qualitative Detection of Target DNA Sequence from Animal Species Present in Sample
- Identification of the Raw Material Origin in Food, Feed, Pharmaceuticals and Cosmetics
- Check for the Animal Source in Ruminant Feed
- Verification of the Proper Labeling for the Food

Features & Benefits

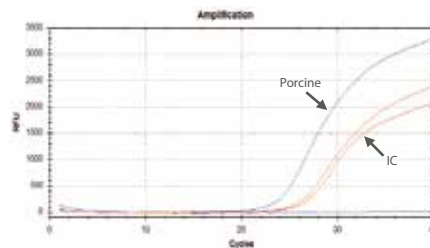
- Easy to Use
- Fast and Reliable Result
- High Sensitivity & Specificity
- Complete Solution Kit
- Internal Control Included
- Compatibility : Flexible Open System

Testing Results : Porcine species Real-time PCR Kit

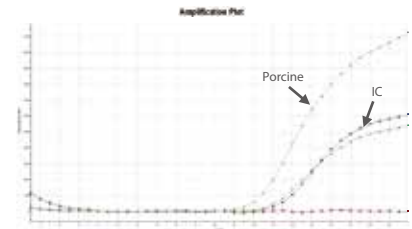
ABI 7500



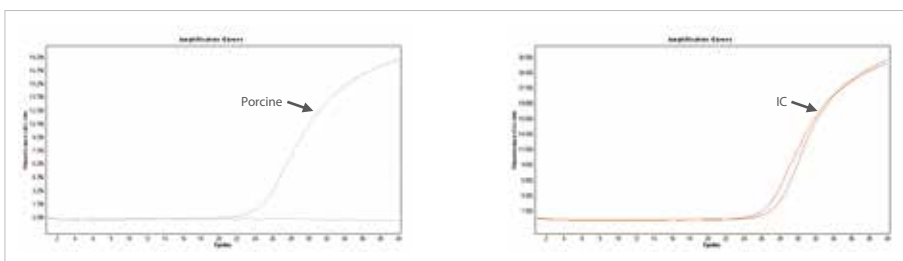
CFX 96



Mx3005P



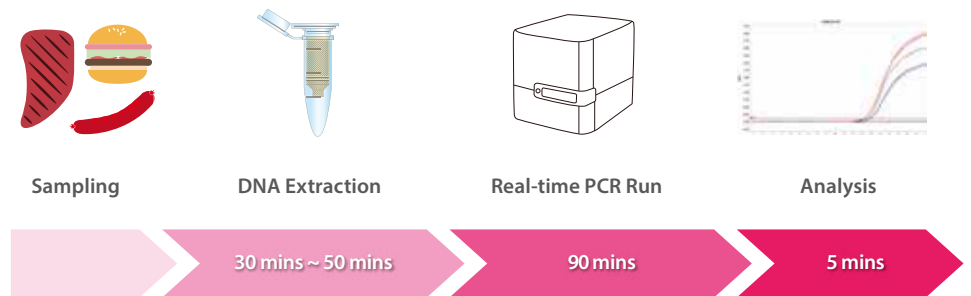
LC480



Applications

- Raw materials
- Meats
- Meat-processed food
- General processed food
- Animal feed

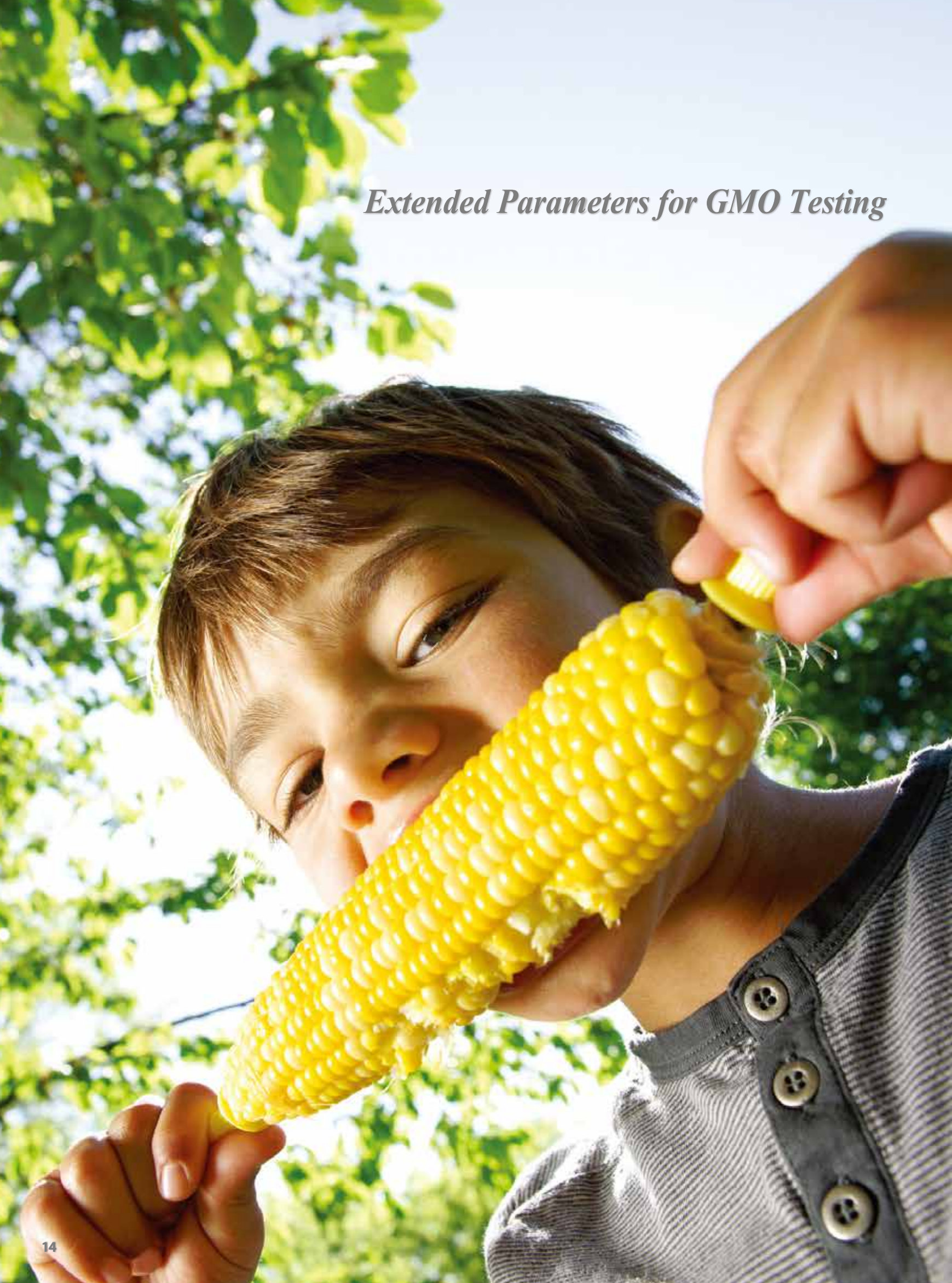
Work Flow



PowerChek™ Animal Species ID Real-time PCR Kit series

Cat #	PowerChek™ Animal Species ID Real-time PCR Kit series	Size	Fluorophore	ABI® 7500 series	ABI® 7900	ABI® 7300	AB StepOne™	AB StepOne Plus™	BioRad CFX96	BioRad iCycler IQ5	Qiagen RotorGeneQ	Roche LightCycler®480	Roche LightCycler® Nano	Agilent Mx3005P
NEW! R0440E	PowerChek™ Animal ID Multiplex Real-time PCR Kit (Bovine, Sheep, Goat)	50	FAM, VIC(HEX), ROX, Cy5						●	★	●	●	●	●
NEW! R0430E	PowerChek™ Pork Gelatin Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0401E	PowerChek™ Chicken species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0402E	PowerChek™ Sheep species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0403E	PowerChek™ Bovine species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0404E	PowerChek™ Porcine species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0406E	PowerChek™ Horse species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0407E	PowerChek™ Goat species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0420E	PowerChek™ Duck species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
R0421E	PowerChek™ Turkey species Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●
Cat #	PowerPrep™ DNA Extraction Kit	Size	Application	Sample Matrices								Purification Module		
NEW! E0103	PowerPrep™ Gealtin DNA Extraction Kit	50	Gelatin DNA extraction	<ul style="list-style-type: none"> ▪ Pork Gelatin ▪ Gelatin processed food ▪ Marshmallow ▪ Various gelatin products 								Silica spin column		
E0002	PowerPrep™ DNA Extraction from Food & Feed Kit	100	General purpose of Food testing	<ul style="list-style-type: none"> ▪ Meat, meat processed food ▪ Raw material ▪ General processed food ▪ Animal Feed 								Silica spin column		

Extended Parameters for GMO Testing



PowerChek™ GMO Real-time PCR Kit series

GMO Screening, Event ID & Quantification

Benefits & Features

- Easy to Use
- Fast and Reliable Result
- High Sensitivity & Specificity
- Complete Solution Kit
- Internal Control Included
- Compatibility : Flexible Open System



GMO Screening, Event ID & Quantification

Super Fast, Simple and Easy

- Easy to use in less than 100 mins
- Detection of Universal Sequences for GMO

p35S	tNOS	bar	FMV	Plant reference
P35S&PNOS	nptII	P35S-pat	CTP2-CP4EPSPS	

GM Quantification

- MON 810
- RRS



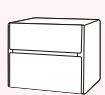


GM-Soy Event

- RRS
- A2704-12
- MON89788
- DP356043-5
- DP305423-1

GM-Maize Event






- MON810
- Bt176
- TC1507
- DAS59122-7
- GA21
- MIR604
- Bt11
- NK603
- MON863
- MON88017
- T25
- MON89034
- Event3272
- DP098140-6
- MIR162

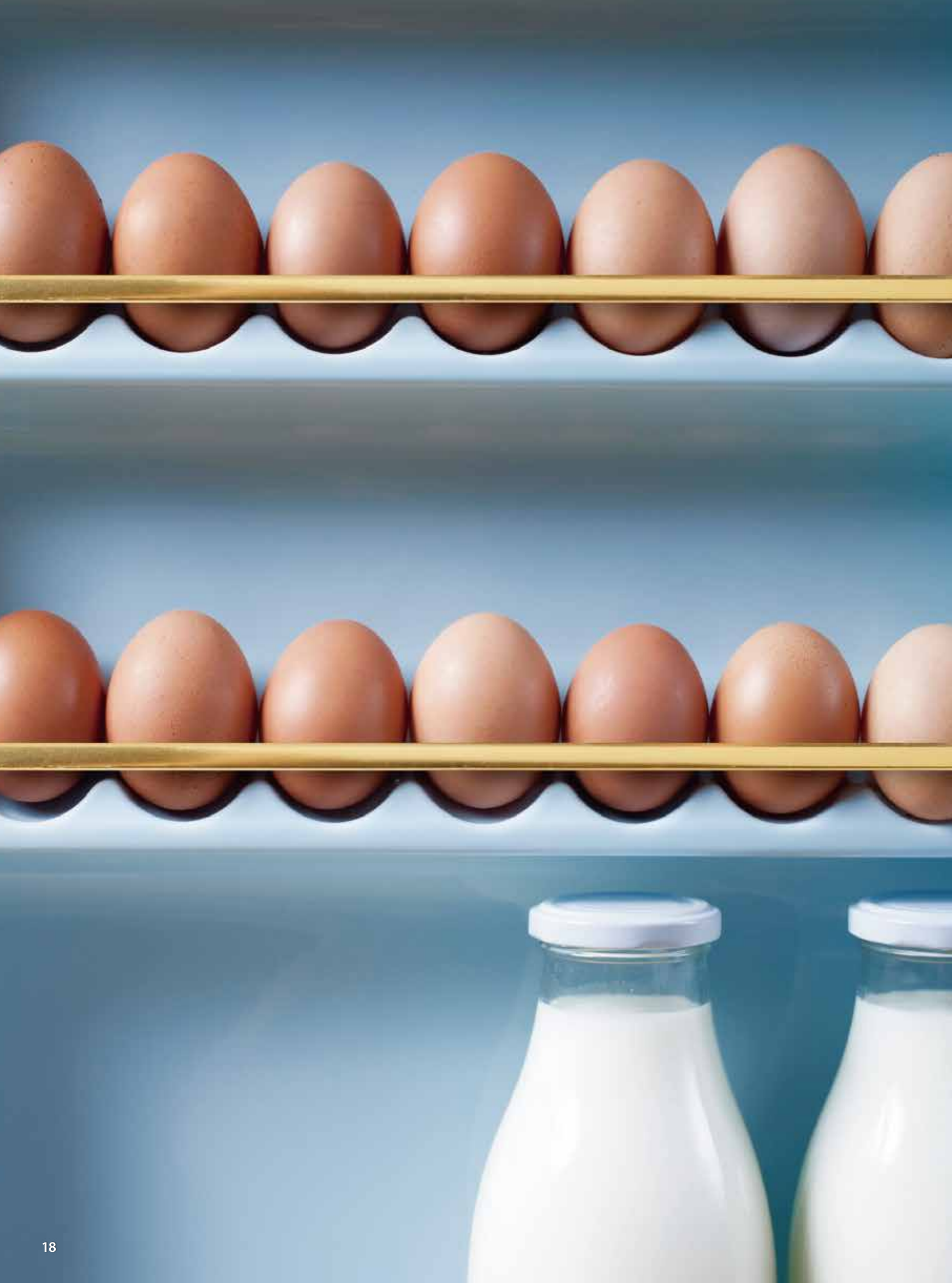
Compatibility - Flexible open system

LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96	LightCycler® 480	Mx3005P	Rotor-Gene Q
				
●	●	●	●	●

GMO Screening & GM-Event ID

PowerChek™ GMO Real-time PCR Kit series

Cat #	GM Quantification	Size	Fluorophore
 R2501	PowerChek™ GM RRS Quant Kit	50 samples	FAM, VIC(HEX)
 R2502	PowerChek™ GM MON810 Quant Kit	50 samples	FAM, VIC(HEX)
Cat #	GMO Screening	Size	Fluorophore
R2000	PowerChek™ GM Soy Screening Real-time PCR Kit (35S, NOS, Lectin)	60 samples	FAM
R2002	PowerChek™ GM Maize Screening Real-time PCR Kit (35S, NOS, SSIIB)	60 samples	FAM
R2020	PowerChek™ Universal GMO Screening Real-time PCR Kit (35S, NOS, bar, FMV, Plant reference, IC)	50 samples	FAM, VIC(HEX)
R2029	PowerChek™ GMO Screening Real-time PCR Kit (35S, NOS, Plant reference, IC)	50 samples	FAM, VIC(HEX)
R2026	PowerChek™ Multiplex Universal GMO Screening Real-time PCR Kit (35S/NOS/FMV/IC)	50 samples	FAM, VIC(HEX), ROX, Cy5 FAM, VIC(HEX), NED, Cy5
R2042	PowerChek™ Multiplex Universal GMO Screening Real-time PCR Kit II (35S/NOS/Plant reference/IC)	50 samples	FAM, VIC(HEX), ROX, Cy5
R2043	PowerChek™ GMO Screening P35S & PNO5 – nptII Real-time PCR Kit	50 samples	FAM, VIC(HEX)
R2044	PowerChek™ GMO Screening P35S– pat Real-time PCR Kit	50 samples	FAM, VIC(HEX)
R2045	PowerChek™ GMO Screening CTP2-CP4EPSPS Real-time PCR Kit	50 samples	FAM, VIC(HEX)
 R2097E	PowerChek™ GMO Screening bar Real-time PCR Kit	50	FAM, VIC(HEX)
 R2098E	PowerChek™ GMO Screening NOS Real-time PCR Kit	50	FAM, VIC(HEX)
 R2099E	PowerChek™ GMO Screening 35S Real-time PCR Kit	50	FAM, VIC(HEX)
Cat #	GM-Event ID	Size	Fluorophore
R2001E	PowerChek™ GM Soy RRS Real-time PCR Kit	50	FAM, VIC(HEX)
R2017E	PowerChek™ GM Soy MON89788 Real-time PCR Kit	50	FAM, VIC(HEX)
R2018E	PowerChek™ GM Soy A2704-12 Real-time PCR Kit	50	FAM, VIC(HEX)
R2021E	PowerChek™ GM Soy DP3054323-1 Real-time PCR Kit	50	FAM, VIC(HEX)
R2022E	PowerChek™ GM Soy DP356043-5 Real-time PCR Kit	50	FAM, VIC(HEX)
R2003E	PowerChek™ GM Maize Bt176 Real-time PCR Kit	50	FAM, VIC(HEX)
R2004E	PowerChek™ GM Maize Bt11 Real-time PCR Kit	50	FAM, VIC(HEX)
R2005E	PowerChek™ GM Maize GA21 Real-time PCR Kit	50	FAM, VIC(HEX)
R2006E	PowerChek™ GM Maize T25 Real-time PCR Kit	50	FAM, VIC(HEX)
R2007E	PowerChek™ GM Maize MON810 Real-time PCR Kit	50	FAM, VIC(HEX)
R2008E	PowerChek™ GM Maize NK603 Real-time PCR Kit	50	FAM, VIC(HEX)
R2009E	PowerChek™ GM Maize TC1507 Real-time PCR Kit	50	FAM, VIC(HEX)
R2010E	PowerChek™ GM Maize MON863 Real-time PCR Kit	50	FAM, VIC(HEX)
R2011E	PowerChek™ GM Maize DAS59122-7 Real-time PCR Kit	50	FAM, VIC(HEX)
R2012E	PowerChek™ GM Maize MIR604 Real-time PCR Kit	50	FAM, VIC(HEX)
R2013E	PowerChek™ GM Maize MON88017 Real-time PCR Kit	50	FAM, VIC(HEX)
R2016E	PowerChek™ GM Maize MON89034 Real-time PCR Kit	50	FAM, VIC(HEX)
R2023	PowerChek™ GM Maize Event3272 Real-time PCR Kit	50	FAM
R2024E	PowerChek™ GM Maize DP098140-6 Real-time PCR Kit	50	FAM, VIC(HEX)
R2025E	PowerChek™ GM Maize MIR162 Real-time PCR Kit	50	FAM, VIC(HEX)
Cat #	PowerPrep™ DNA Extraction Kit	Size	Application
E0001	PowerPrep™ GMO Extraction Kit	100	GMO
E0006	PowerPrep™ GMO Extraction Kit II (α-amylase)	100	GMO
E0002	PowerPrep™ DNA Extraction from Food & Feed Kit	100	General purpose of food testing



Food Authentication

Food Allergen ID

Benefits & Features

- Easy to Use
- Fast and Reliable Result
- High Sensitivity & Specificity
- Complete Solution Kit
- Internal Control Included
- Compatibility : Flexible Open System



Compatibility - Flexible open system

LT	BioRad	Roche	Agilent	Qiagen
ABI® 7500	CFX96	LightCycler® 480	Mx3005P	Rotor-Gene Q
●	●	●	●	●

PowerChek™ Food Allergen ID Real-time PCR Kit series

Cat #	PowerChek™ Food Allergen Real-time PCR Kit series	Size	Fluorophore													
				ABI 7500 series	ABI 7900	ABI 7300	AB StepOne™	AB StepOne Plus™	BioRad CFX96	BioRad iCycler IQ5	Qiagen Rotor-gene Q	Roche LightCycler 480	Roche LightCycler Nano	Agilent Mx3005P		
R0605E	PowerChek™ Shrimp & Crab Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●	●	●
R0607E	PowerChek™ Soybean Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●	●	●
R0608E	PowerChek™ Peanut Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●	●	●
R0609E	PowerChek™ Milk Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●	●	●
R0610E	PowerChek™ Pork Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●	●	●
R0611E	PowerChek™ Egg Real-time PCR Kit	50	FAM, VIC(HEX)	●	●	●	●	●	●	●	●	●	●	●	●	●
Cat #	PowerPrep™ DNA Extraction Kit	Size	Application	Sample Matrices			Purification Module									
E0002	PowerPrep™ DNA Extraction from Food & Feed Kit	100	<ul style="list-style-type: none"> ▪ Animal ID ▪ Food Allergen ID 	<ul style="list-style-type: none"> ▪ Meat, meat processed food ▪ Raw material ▪ General processed food ▪ Animal Feed 			Silica spin column									



*High Quality DNA Extraction
for Food Safety Testing*

PowerPrep™ DNA Extraction Kit series

The success of food diagnostic analysis requires effective methods for the DNA extraction from various sample types.

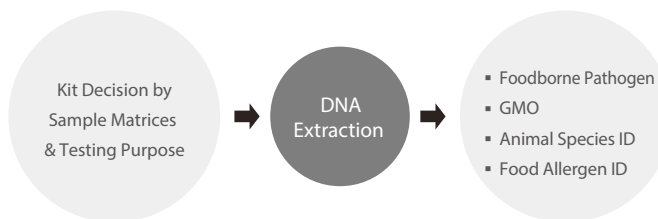
PowerPrep™ DNA Extraction Kit series provide a rapid and efficient method for the isolation and purification of DNA from a variety of samples including food, plant, animal tissue and culture cell so on. The kits offer various isolation systems available to suit your special testing purpose, assuring high-quality nucleic acid purification.



Benefits & Features

- Simple & fast procedure : less than 100 mins
- Efficient extraction & purification from complex food matrices
- Efficient removal of PCR inhibitors
- Especially for highly processed food

Sample Procedure & High Quality



Applications & Products

Application	Sample material	Cat #	Product	Size	Purification Module	Sample scale
Foodborne Pathogen	<ul style="list-style-type: none"> ▪ Enrichment culture of various food samples ▪ Cultured bacteria ▪ Stool 	NEW! E0105	PowerPrep™ Quick DNA Extraction Kit	50	Boiling	Small
	<ul style="list-style-type: none"> ▪ General processed food ▪ Cultured bacterium broth & agar ▪ Feces samples 	E0002	PowerPrep™ DNA Extraction from Food & Feed Kit	100	Silica spin column	Small to large
GMO	<ul style="list-style-type: none"> ▪ Crop, Plant ▪ Soybean, Corn, Kernel ▪ Ground Powder, raw material ▪ General Processed food 	E0002	PowerPrep™ DNA Extraction from Food & Feed Kit	100	Silica spin column	Small to large
	<ul style="list-style-type: none"> ▪ High Processed food 	E0001	PowerPrep™ GMO Extraction Kit	100	Silica resin	Large
	<ul style="list-style-type: none"> ▪ Rice, Seed ▪ The samples including starch 	E0006	PowerPrep™ GMO Extraction Kit II (α-amylase)	100	Silica spin column	Small
<ul style="list-style-type: none"> ▪ Animal Species ID ▪ Food Allergen ID 	<ul style="list-style-type: none"> ▪ Meat, meat processed food ▪ General processed food ▪ Animal feed 	E0002	PowerPrep™ DNA Extraction from Food & Feed Kit	100	Silica spin column	Small to large
	<ul style="list-style-type: none"> ▪ Pork Gelatin ▪ Gelatin processed food ▪ Marshmallow ▪ Various gelatin products 	NEW! E0103	PowerPrep™ Gelatin DNA Extraction Kit	50	Silica spin column	Small to large



Make Sure Your Food Is Safe.

KogeneBiotech Provides

Comprehensive Solution for Food Safety Testing.

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