

# Multiplex qPCR Kits for Simple, Fast and Smart Food Testing

New Cutting Edge qPCR and Digital PCR Multiplex Kits  
Validated and Tested in Interlaboratory Trials  
Easy to Establish

## Validated Kits

All kits have been developed in collaboration with Dr. René Köppel from the Zurich Cantonal Laboratory – an acknowledged expert on the use of cutting-edge analytical systems for food safety testing. Under his supervision, each assay has been fully validated, and tested in interlaboratory trials. Kits are produced and commercialized by Microsynth. Each production batch is tested at the Zurich Cantonal Laboratory prior to sales release.

## Simple and Efficient

All kits are easy to use. Each kit contains 5 aliquotes of stoichiometrically balanced primer/probe mixtures as well as a detailed manual. Therefore, customer has just to solubilize the primer/probe mixture in ddH<sub>2</sub>O and add the PCR mastermix (not included). Since each kit can specifically detect and quantify up to 5 marker genes, it is possible to screen food samples in a highly efficient manner.

## Excellent Price

Each kit contains 5 tubes with primer/probe sets for 5 x 20 PCR reactions (25 µl volume).

### Price per Multiplex qPCR Kit:

**CHF 250.00** (excl. VAT)\*

For a total of 100 reactions

### Price per Multiplex digital PCR Kit:

**CHF 237.50** (excl. VAT)\*

For a total of 50 reactions

\* Prices and specifications are subject to change without notice.

## Your Overall Benefits Include

**New cutting-edge qPCR and digital PCR multiplex kits** for cost-effective and reliable testing of food – qPCR kits are **compatible with the majority of qPCR machines** (the dyes FAM, JOE, ROX, Cy5, and Dy681 are used whereby Dy681 can be substituted by ATTO425) – **Large and growing portfolio** of PCR

kits for a wide variety of food analyses (screening for various animal or meat species, allergens, bacteria and GMOs) – **PCR kits can be implemented in your lab with minimal validation work** – Microsynth can assist you with the **selection of the optimal polymerase** for your PCR-Microsynth has

>25 years experience in DNA oligonucleotide synthesis and >15 years experience in realtime PCR; whether you just use our qPCR kits or outsource the entire testing to us, **you will be in good hands.**

## Need More Information?

Call us at +41 71 726 12 50

E-mail us at [real-time@microsynth.ch](mailto:real-time@microsynth.ch)

## Important – Please Note!

*The development and validation of all qPCR kits is based on the scientific work of Dr. Rene Köppel. Please visit our website (qPCR assays for food testing) to see the literature in this context.*

### Multiplex qPCR Kit for Animal Classification and Meat Testing

Product Name	Assay Type	Marker 1	Marker 2	Marker 3	Marker 4	Marker 5
AllMeat	Tetraplex	Chicken	Pork	Beef	Turkey	n.a.
AllHorse	Tetraplex	Sheep	Pork	Beef	Horse	n.a.
AllMilk	Tetraplex	Cow	Goat	Sheep	Water buffalo	n.a.
AllPaté	Pentaplex	Chicken	Duck	Goose	Turkey	Pig
AssignAnimal	Classification of animal species in combination with Sanger sequencing (cytochrome b)					
dNoBa	This digital PCR kit (EvaGreen duplex assay) allows quantitative determination of Non-Basmati rice content in Basmati rice samples.					

### Multiplex qPCR Kits for Allergen Testing

Product Name	Assay Type	Marker 1	Marker 2	Marker 3	Marker 4	Marker 5
AllAll A	Tetraplex	Peanut	Celery	Soybean	Hazelnut	n.a.
AllAll B	Tetraplex	Cow's milk	Almond	Chicken egg	Sesame	n.a.
AllAll G	Tetraplex	Lupine	Almond	Para nut	Sesame	n.a.

### Multiplex qPCR Kits for GMO Testing

Product Name	Assay Type	Marker 1	Marker 2	Marker 3	Marker 4	Marker 5
AllGVOScB	Pentaplex	Nos Terminator	35S Promotor	Soy (lectin)	Maize (mhmG)	CaMV
AllGVOScC	Tetraplex	FMV Promotor	Bar gene	CP2/CP4/EPSPS	Pat gene	n.a.
AllSoyA	Pentaplex	RoundupReady	Mop89788	Soy (Le1)	Soy2704	A5547-127
AllSoyB	Pentaplex	DP305423-1	DP356043-5	Lectin	CV127-9	Mon87701
AllSoyC	Pentaplex	Mon87708	Mon87769	Lectin	FG72	Mon87705
AllMaize C	Pentaplex	Starlink CBH	Mon863r	T25	Maize (mhmG)	Mon810
AllMaize D	Pentaplex	Bt11	Nk603	Ly038	Maize (mhmG)	Bt176
AllMaize E	Pentaplex	GA21	DAS-59122-7	Mon89034	Maize (mhmG)	Mon88017
AllMaize F	Pentaplex	Syngenta3272	MIR604	TC1507	Maize (mhmG)	DP-98140

### Multiplex qPCR Kits for Bacteria Testing

Product Name	Assay Type	Marker 1	Marker 2	Marker 3	Marker 4	Marker 5
AllBakA IPC	Pentaplex	E. Coli Stx1 Stx2 intimin	Salmonella (incl. bongori)	Listeria monocytogenes	Campylobacter spp	IPC pUC19
AllBakB	Pentaplex	E. Coli	Clostridium perfringens	Staphylococcus aureus	Bacillus cereus	IPC pUC19
AllCamp	Tetraplex	Campylobacter jejuni	Campylobacter lari	Campylobacter coli	IPC pUC19	n.a.
AllColi	Tetraplex	E. coli spp	E. coli eae/intimin	E. coli Stx 1	E. coli Stx 2	n.a.

### Customer Testimonial

Since 2012 we rely on the multiplex qPCR kits from Microsynth, primarily for GMO testing purposes. The kits are easy to use and offer an excellent price-performance ratio. Beyond this we appreciate the fast delivery and the competent and friendly customer support.

Interlabor Belp AG, Switzerland, 2014

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