

CANNABIS AND HEMP MICROBIAL TESTING TOOLS, SERVICE, AND SUPPORT



ALL IN ONE PLACE



BIO-RAD

ABOUT BIO-RAD LABORATORIES

Bio-Rad is a global leader in developing, manufacturing, and marketing a broad range of innovative products for the life science research and clinical diagnostic markets. With a focus on quality and customer service for over 65 years, our products advance the discovery process and improve healthcare. Our customers include university and research institutions, hospitals, public health and commercial laboratories, biotechnology, pharmaceutical, as well as applied laboratories that include food safety and environmental quality.

PERFORMANCE SPECIFICATIONS OF REAL-TIME PCR KITS AND CHROMOGENIC MEDIA

Parameter	iQ-Check Real-Time PCR	RAPID [®] Chromogenic Media
Assays available	<i>Aspergillus</i> ^{1,2} <i>E. coli</i> O157:H7 <i>Enterobacteriaceae</i> <i>Listeria</i> spp. <i>Listeria monocytogenes</i> <i>Salmonella</i> ² STEC VirX ² STEC SerO II ²	<i>E. coli</i> <i>E. coli</i> O157:H7 <i>Enterobacteriaceae</i> <i>Listeria</i> <i>Salmonella</i> <i>Staphylococcus</i>
Principle	DNA-based detection of conserved genetic targets using patented double stranded probes	Chromogen-based colorimetric detection utilizing bacterial enzymatic activity
Applications	Presumptive testing	Detection and/or confirmations post-PCR
Assay format	Qualitative real-time polymerase chain reaction, ready to use reagents	Qualitative and quantitative culture media, ready to use and dehydrated
Time to results	2.5 hr post-enrichment	24 hr post-enrichment
Result interpretation	Automated using software	Visual based on colored colonies
Reagent shelf life	2 years	3 months (ready to use) 3 years (dehydrated)
Compatible matrices	All cannabis and hemp products	All cannabis and hemp products

¹ *Aspergillus* speciation kits available

² AOAC-PTM approved kits



EASY FOUR-STEP IQ-CHECK REAL-TIME PCR PROTOCOL

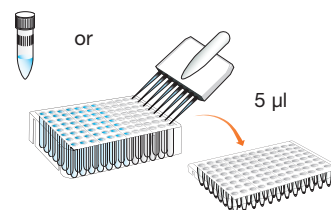
1. Sample Enrichment

Enrich 1 g sample in 9 ml of buffered peptone water-based enrichment broth under the recommended conditions.



2. DNA Extraction

Combine homogenized sample with lysis reagent and subject to heat treatment for 15 min to lyse cells and extract DNA. Transfer 5 µl of extracted DNA to PCR mix aliquoted in the PCR microplate.



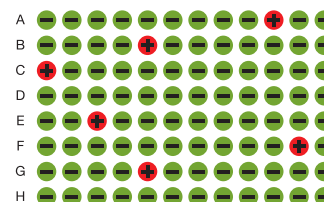
3. PCR Amplification

Launch CFX Manager IDE software, create plate setup and start amplification.



4. Automated Results

Analyze qualitative data generated by software.
Verify positive, negative, and internal amplification controls.



YOUR TRUSTED GLOBAL PARTNER

Serving you from our locations in North America, South America, Europe, Africa, Asia, and Australia



Bio-Rad's commitment to your success does not end with your purchase.
Our global support and service team is dedicated to limiting downtime and maximizing your productivity.

"We use Bio-Rad's iQ-Check kits for their simplicity, ease of use, and scalability. The workflows are easily adaptable, which is very important to our lab's dynamic throughput, where we could be testing one to a hundred samples a day. We also see Bio-Rad as a partner in innovation, as their sales and technical support teams work hand-in-hand with our lab to ensure our methods generate the highest quality data in the industry."

NIKHIL KUMAR, CANALYSIS LABORATORIES

"I have been performing PCR for 15 years, using Bio-Rad kits for nearly 2 years. The iQ-Check PCR kits are the easiest and most intuitive kits I have ever used. I highly recommend using Bio-Rad for your PCR kit needs."

KENDRA WHEELER, CW ANALYTICAL

"In a high-throughput environment like a cannabis testing laboratory, having reliable and consistent automation is invaluable. Partnering with Bio-Rad and utilizing the iQ-Check Prep Automated platform has allowed us to virtually eliminate operator error from our qPCR preparation. With the iQ-Check Prep we are able to train even the newest laboratory technicians to execute qPCR at an expert level over the course of a few days."

MICHAEL ESPOSITO, MCR LABS

Ordering Information

Catalog # Description

iQ-Check Kits

12010806	iQ-Check <i>Aspergillus</i>
3578114	iQ-Check <i>E.coli</i> O157:H7 Kit, 96 reactions
12003068	iQ-Check <i>Enterobacteriaceae</i> , 96 reactions
3578113	iQ-Check <i>Listeria</i> spp.
3578124	iQ-Check <i>Listeria monocytogenes</i>
3578123	iQ-Check <i>Salmonella</i> II Kit, 96 reactions
3578139	iQ-Check STEC VirX Kit, 96 reactions
12013174	iQ-Check STEC SerO II Kit
3594970	iQ-Check Free DNA Removal Solution, 1 vial (175 mg lyophilized powder) iQ-Check Free DNA Removal Reagent, 1 tube (9 ml) iQ-Check 10x Activation Buffer
12012383	iQ-Check Purification Reagent, 2.5 g, 96 reactions

iQ-Design Assay Kits

12015336	iQ-Design Assay <i>Aspergillus niger</i> , 100 reactions
12015337	iQ-Design Assay <i>Aspergillus flavus</i> , 100 reactions
12015260	iQ-Design Assay <i>Aspergillus fumigatus</i> , 100 reactions
12015330	iQ-Design Assay <i>Aspergillus</i> Identification Positive Control, 100 reactions
17007081	iQ Multiplex Powermix, 100 reactions
17006992	iQ-Design Assay <i>Aspergillus</i> Identification Solution, 100 samples

Media for Sample Enrichment

3554179	Buffered Peptone Water Plus, 225 ml x 6 bottles
3564684	Buffered Peptone Water Plus, 500 g

RAPID'E.coli 2

3555299	Ready to use, 100 ml x 6 bottles
3564024	Dehydrated base, 500 g

Catalog # Description

RAPID'Enterobacteriaceae

3554012	Ready to use, 200 ml x 6 bottles
3564004	Dehydrated base, 500 g

RAPID'Listeria spp.

3564744	Dehydrated base, 500 g
3564745	Supplement 1, 1 box, 10 vials
3564746	Supplement 2, 1 box, 10 vials

RAPID'L.mono

3563964	Ready to use, 90 mm x 120 plates
3563694	Ready to use, 90 mm x 20 plates
3555294	Ready to use, 90 mm x 120 plates
3564293	Dehydrated base, 500 g
3564294	Supplement 1, 1 box, 10 vials
3564746	Supplement 2, 1 box, 10 vials
3553669	Rhamnose Test, 1 ml x 28 tubes

RAPID'Salmonella

3563961	Ready to use, 90 mm x 20 plates
3563963	Ready to use, 90 mm x 120 plates
3564705	Dehydrated base, 500 g

RAPID'Staph

3563960	Ready to use, 90 mm x 20 plates
3564704	Dehydrated base, 500 g