

LightMix® Modular Assays*

Multiplex pathogen detection made easy.



*For Life Science Research Use Only. Not for use in diagnostics prodcedures. Manufactured by TIB MOLBIOL and exclusively distributed by Roche.

LightMix® Modular Assays

ONE standardized protocol, THREE easy steps

The LightMix Modular Assays are the building blocks to create a panel for your specific research needs. Detect up to 5 targets plus a control in one well on Roche qPCR instruments to maximize your multiplexing capacity and increase throughput.

Step 1

Pick your targets of interest

Flexibly design your research panel.*

Gastro Parasites	Gastro Bacteria	Gastro Viruses <i>Coming Soon</i>	Carbapenemase	EHEC	Respiratory	New Born	Non-Culturable Bacteria
Entamoeba Entamoeba histolytica	Yersinia	Norovirus GG1	VIM				
Giardia	Campylobacter	Norovirus GG1 Norovirus GG2	GES NDM1	STX1-EHEC	Influenza A Influenza A H7	TREC	T. whipplei
Dientamoeba	Shigella	Rotavirus	OXA-48 IMP (R6G)	STX2-EHEC	Influenza B		
Cryptosporidium	Salmonella	Adenovirus F	VIM	EAE-EHEC		KREC	
Blastocystis	Aeromonas Plesiomonas	Astrovirus Enterovirus	KPC IMP				

*Pick assays within a panel. Mixing and matching between different panels is permissible but will require customer validation.

Step 2

Create your multiplex research panel*

Detect up to 5 targets plus a control in a single well

Instrument Compatibility

Dye	Cyan 500	FAM	HEX	Texas Red	LC Red 640	Controls
6-channel Instrument	500	530	580	610	640	660
5-channel Instrument		530	580	610	640	660
4-channel instrument		530	580	610		660

Example:

Dye	Cyan 500	FAM	HEX	ROX	LC Red 640	Controls
Channel	500	530	580	610	640	660
Targets	Entamoeba	Campylobacter	Shigella/EIEC	Salmonella	Aeromonas	Roche

Step 3

Run your experiment*

Rely on a seamless workflow

- Standardized qPCR protocols
- Can be combined with in-house assays
- Recommended for use with Roche instruments and reagents

*Please see TIB MOLBIOL Package Insert for more information.

LightMix® Modular Assays

ONE simple concept, THREE big benefits

Modular in design, the LightMix® Modular Assays enable you to create a pathogen detection panel, just right for your research needs. Whether it's a hexaplex or a single assay, the LightMix® Modular Assays changes the paradigm for pathogen research.



Easy to Use

Select from a huge range of ready-to-use individual assays for pathogen detection

Modular Design

Create a custom panel specific for your research needs and expand your menu by including rare targets

Simultaneous Detection

Increase throughput and improve research workflow efficiency by multiplexing up to 5 targets plus 1 control in a single well

Technology made EASY

Remove the tedious optimization

Developed with medically relevant research targets in mind, the LightMix® Modular assays are designed to work optimally with Roche Instruments, MasterMixes and Controls to give you an optimized, efficient research workflow.



LightMix® Modular Assay

Material for 96 reactions



qPCR Instruments

LightCycler® 480 instrument, **cobas z 480** analyzer (UDF*) and other multichannel PCR instruments.



qPCR Master Mixes & Controls

Roche RNA Process control kit (Cat #07958293001) is optimized to work seamlessly with the Light-mix modular assays and includes a multiplex mastermix.

*The **cobas**® 4800 System User Defined Workflow (UDF) is intended for general laboratory use and not for use in IVD applications.

Ordering Information

Panel/Pathogen	Target*	Dye Channel**	Roche Part Number	Price
Gastro Parasites	Modular Giardia	530	07042230001	\$249
	Modular Dientamoeba	580	07042248001	\$249
	Modular Cryptosporidium	610	07042256001	\$249
	Modular Blastocystis	640	07042264001	\$249
	Modular Entamoeba histolytica	500	07041896001	\$249
Gastro Bacteria	Modular Aeromonas	640	07041829001	\$249
	Modular Yersinia	500	07041837001	\$249
	Modular Campylobacter	530	07041845001	\$249
	Modular Shigella	580	07041853001	\$249
	Modular Salmonella	610	07041861001	\$249
Gastro Virus	Modular Plesiomonas	640	07041870001	\$249
	Modular Norovirus GG1	500	07374348001	\$249
	Modular Norovirus GG1 (FAM)	530	07374321001	\$249
	Modular Norovirus GG2	530	07374364001	\$249
	Modular Rotavirus A	580	07374313001	\$249
EHEC	Modular Adenovirus F (40,41)	610	07374305001	\$249
	Modular Astrovirus	640	07374291001	\$249
	Modular Sapovirus	500	07396821001	\$249
	Modular Enterovirus	640	07396805001	\$249
	Modular STX1-EHEC	530	07094248001	\$249
Respiratory Influenza	Modular STX2-EHEC	580	07094256001	\$249
	Modular EAE-EHEC	610	07094213001	\$249
	Modular Influenza A H7 (H7N9)	530	07041578001	\$249
	Modular Influenza A	530	07041594001	\$249
	Modular Influenza A H1 (H1N1)	500	07409206001	\$249
Respiratory Parainfluenza	Modular Influenza A H3	610	07548109001	\$249
	Modular Influenza A H5	580	07548087001	\$249
	Modular Influenza A H9	530	07548095001	\$249
	Modular Influenza B	580	07041616001	\$249
	Modular Parainfluenza (PIV-1,2,3,4)	500	07766262001	\$249
Coronavirus	Modular Parainfluenza 4 (hPIV-4) NP gene	500	07683324001	\$249
	Modular Parainfluenza 3 (hPIV-3) M gene	530	07683316001	\$249
	Modular Parainfluenza 2 (hPIV-2) L gene	610	07683308001	\$249
	Modular Parainfluenza1(hPIV-1) HNgene	640	07683332001	\$249
	Modular MERS Coronavirus Up E	530	06950302001	\$249
Respiratory Virus	Modular Coronavirus Orf1a	530	07088833001	\$249
	Modular Coronavirus HKU1	500	07730497001	\$249
	Modular Coronavirus OC43	580	07730462001	\$249
	Modular Coronavirus 229E	610	07730519001	\$249
	Modular Coronavirus NL63	640	07730489001	\$249
Respiratory Bacteria	Modular pan Coronavirus	500	07766254001	\$249
	Modular Enterovirus	500	07730454001	\$249
	Modular Parechovirus (hPeV)	530	07730438001	\$249
	Modular Metapneumovirus (hMPV)	580	07730446001	\$249
	Modular Bocavirus (HBoV)	580	07730527001	\$249
Respiratory Atypical pneumonia	Modular Respiratory Syncytial Virus (RSV)	610	07766343001	\$249
	Modular Adenovirus	610	07730535001	\$249
	Modular Rhinovirus (HRV)	640	07730420001	\$249
	Modular Bordetella pertussis	610	07730543001	\$249
	Modular Bordetella parapertussis	640	07730420001	\$249
	Modular Pneumocystis jirovecii (PCP)	500	07730632001	\$249
	Modular Mycoplasma pneumonia	530	07730616001	\$249
	Modular Chlamydia psittaci	580	07730578001	\$249
	Modular Chlamydia pneumonia	610	07730551001	\$249
	Modular Legionella pneumophila	500	07730586001	\$249
	Modular Legionella spp/pn	640	07730608001	\$249

Panel/Pathogen	Target*	Dye Channel**	Roche Part Number	Price
Carbapenemase	Modular GES (640)	640	07409117001	\$249
	Modular IMP (640)	640	07042345001	\$249
Bacterial Meningitis	Modular Neisseria meningitidis	610	07413726001	\$249
	Modular Streptococcus agalactiae	610	07413742001	\$249
Filovirus	Modular Ebola Virus Zaire	530	07383428001	\$249
New Born	Modular TREC	530	07093861001	\$249
	Modular KREC	610	07093896001	\$249
Non-Culturable Assays	Modular T. whipplei	530	07094272001	\$249
Controls	Modular PHHV EC	660	07093802001	\$249
	Modular PHHV IC	660	07093853001	\$249
	Modular MSTN EC	660	06296874001	\$249
	Modular EAV RNA Extract. Control	660	07374330001	\$249
Color Compensation	CC_Hexaplex 480 II		06296971001	\$249

*Materials for 96 reaction (lyophilised, target specific primers and probes) **Please refer to the TIB MOLBIOL package insert for more information.

RNA Process Control

Kit Name	Catalog Number	Pack size	Price	Content
RNA Process Control Kit	07958293001	600 rxns	\$89 9	• RNA Control • RNA Control Detection Assay • RNA Control Diluent • LightCycler® Multiplex RNA Virus Master

Features of RNA Process Control Kits



FEATURES

- 1 RNA Control added at the isolation step
- 2 Encapsulated, nuclease-resistant control
- 3 Functions under the commonly used PCR conditions in multiplex with viral and pathogen target detection
- 4 Control detection assay labeled with Cy5
- 5 Works on viral and pathogen targets isolated from a variety of sample materials

To place an order, call customer service at 1-800-428-5076

For customers utilizing the **cobas z 480** (UDF*), please contact the Roche Support Network Customer Support Center at 1-800-526-1247

For customers utilizing the LightCycler® 480 or other research platforms, please contact Roche Life Science Technical Service at 1-800-262-4911

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