

A BROADER VIEW
FOR A HEALTHIER TOMORROW



DETECT
INFORM
PROTECT

UltraGene Real-Time PCR Assays

Infectious Disease Testing through Multiplex Real-Time PCR

40+ qPCR panels | 100+ pathogens | 1 cycling program | 150+ publications

MULTIPLE
PATHOGENS.
A HEALTHIER
TOMORROW.



FROM
PATHOGENS
TO ANSWERS

REAL IMPACT FOR A BRIGHTER TOMORROW

UltraGene is a broad portfolio of multiplex real-time PCR assays
for the detection of infectious-disease pathogens.



BROAD PORTFOLIO

40+ panels covering
100+ pathogens across
11 infectious-disease areas



ONE CYCLING PROGRAM

Standardized thermal cycling
simplifies routine workflows
across the portfolio



AUTOMATION-READY

OpenChek workflows support
standardized liquid handling
on Opentrons Flex



TRUE POSITIVES. TRUE NEGATIVES



Product Workflow

From specimen to answers — a streamlined workflow for reliable results.

1

Specimen collection

Collect and prepare clinical specimens using standard methods.



2

Nucleic Acid (DNA/RNA) extraction*

Extract nucleic acids using a validated extraction method (not included).



3

Preparation of PCR reaction solution

Prepare the PCR reaction mix with the required reagents.



4

PCR reaction

50°C 15 min hold
94°C 15 min hold

94°C 8 seconds
60°C 1 minute ↻ 40 cycles



5

Analysis

Automatically analyze results with intuitive software.



Example:

UltraGene Respiratory pathogens 21



Specimen used

Pharyngeal/nasal/
nasopharyngeal swabs,
bronchoalveolar lavage fluid,
sputum, etc.



Reagents in the kit used for each step

- Negative control
- Internal control
- Primer & Probe Mix
- Enzyme Mix
- Reaction buffer
- Positive control



Turnaround time



From
extraction
to results
in approximately
4 hours.



A comprehensive workflow
for confident detection of
respiratory pathogens.

MULTIPLE PATHOGENS.
A HEALTHIER TOMORROW.

*Nucleic-acid extraction kit not included. Use a validated extraction method.

Product Information

Reliable solutions. From samples to answers.



What's in the kit?

Complete reagents for a streamlined real-time PCR workflow.

- Primer/probe mix
- Enzyme Mix
- PCR reaction buffer
- Positive control (or quantitative standard)
- Negative control
- Internal control



Available types of assays

A broad menu to meet diverse clinical needs.



Respiratory infections



Sexually transmitted infections



Gastroenteritis



Fever



Rash



Childhood infections



Meningitis



Infections of the immunosuppressed



Hepatitis



Eye infections



Tropical fever



Kit size

32-reaction kit
64-reaction kit



Turnaround time

Approximately
4 hours
(from nucleic extraction
to completion of PCR
reaction)



Storage
temperature
-20°C



Expiration date

1 year from date
of manufacture



Recommendations

Use the positive and negative controls included in each kit. The number of reportable samples depends on the controls and, where applicable, quantitative-standard reactions included in the run.

Recommended Real-Time PCR instruments and extraction systems

For equipment not listed below, please contact ABL Diagnostics.



Real-Time PCR instruments

Applied Biosystems 7500 (Thermo Fisher Scientific)
Applied Biosystems 7500 fast (Thermo Fisher Scientific)
Applied Biosystems ViiA 7 (Thermo Fisher Scientific)
QuantStudio 5 (Thermo Fisher Scientific)
Rotor-Gene 6000/3000 (Qiagen)
Rotor-Gene Q (Qiagen)
Mic (Bio Molecular Systems)
LightCycler 480 (Roche)
CFX96 (Bio-Rad)
DX (Bio-Rad)
SmartCycler (Cepheid)
qTOWER3 (Analytikjena)
VERSANT PCR AD module



Nucleic acid extraction systems

NucliSENS® easyMag® (bioMérieux)
EMAG® (bioMérieux)
QIAasympy® (QIAGEN)
MagNA Pure 96 System (Roche)
Maxwell® (Promega)
magLEAD® 12gC (PSS)
KingFisher (Thermo Fisher)
Virus DNA/RNA Extraction Kit (Vazyme)

INTEGRATED SOLUTIONS
FOR BETTER OUTCOMES



Respiratory Infections

Multiplex and focused assays covering major viral and bacterial respiratory pathogens.



Pathogen coverage overview

● included

○ not included

Pathogen	2	2+	2P	R22	R24	R34	R36	21	23	27	29	31	48	50	53	56	62	114
Influenza A virus	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○	○	○
Influenza A(H1N1)pdm09 virus	●	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	●	○
Influenza A(H3NX) virus	○	○	○	○	●	○	●	○	○	○	○	○	○	○	○	○	●	○
Influenza A(H5NX) virus	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Influenza A(H7NX) virus	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Influenza B virus	●	●	●	●	●	●	●	●	○	○	○	○	●	○	○	○	○	○
Human respiratory syncytial viruses A/B	●	●	●	●	○	●	○	○	○	○	○	○	●	○	○	○	○	○
Human respiratory syncytial viruses A	○	○	○	○	●	○	●	○	○	○	○	○	○	○	○	○	○	○
Human respiratory syncytial viruses B	○	○	○	○	●	○	●	○	○	○	○	○	○	○	○	○	○	○
Human rhinovirus	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human coronavirus NL63	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human coronavirus 229E	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human coronavirus OC43	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human coronavirus HKU1	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human parainfluenza virus 1	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human parainfluenza virus 2	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human parainfluenza virus 3	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human parainfluenza virus 4	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human metapneumovirus A/B	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Human bocavirus	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Enterovirus	●	●	●	●	●	●	●	○	●	○	○	○	○	○	○	○	○	○
Human parechovirus	●	●	●	●	●	●	●	○	●	○	○	○	○	○	○	○	○	○
Human adenovirus	●	●	●	●	●	●	●	○	●	○	○	○	○	○	○	○	○	○
Mycoplasma pneumoniae	●	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○
Chlamydia pneumoniae	○	●	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Streptococcus pneumoniae	○	●	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Staphylococcus aureus	○	●	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Haemophilus influenzae	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Moraxella catarrhalis	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Legionella pneumophila/ longbeachae	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Influenza C virus	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Pneumocystis jirovecii	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Haemophilus influenzae Type B	○	●	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Bordetella spp. (excluding B. parapertussis)	○	○	●	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○
Salmonella spp.	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Klebsiella pneumoniae	○	○	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○
Bordetella pertussis	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
Bordetella parapertussis	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MERS-CoV	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SARS-CoV-2	○	○	○	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○

UltraGene Respiratory Panels

Targeted solutions for a wide range of respiratory pathogens.

2

UG Respiratory pathogens 21

Broad multiplex detection of 21 viral and bacterial respiratory pathogens, including Influenza A/B, HRSV, human coronaviruses and common respiratory pathogens.

Cat. No.	Format	Intended use
10921702	32 rxn	CE-IVD
10921703	64 rxn	CE-IVD
11373927	32 rxn	RUO

2+

UG Respiratory pathogens 21 plus

Expanded multiplex detection of 25 viral and bacterial respiratory pathogens, including Influenza A/B, HRSV, human coronaviruses and additional bacterial respiratory pathogens.

Cat. No.	Format	Intended use
11373923	32 rxn	RUO

2P

UG Respiratory pathogens 33

Comprehensive multiplex detection of 33 viral and bacterial respiratory pathogens, covering common respiratory viruses, atypical bacteria and major bacterial causes of respiratory infections.

Cat. No.	Format	Intended use
11373925	32 rxn	RUO

21

UG FLU

Detection of Influenza A virus, Influenza A(H1N1)pdm09 virus and Influenza B virus.

Cat. No.	Format	Intended use
11373959	32 rxn	RUO

23

UG EPA

Detection of enterovirus, human parechovirus and human adenovirus.

Cat. No.	Format	Intended use
11373962	64 rxn	RUO

31

UG Bordetella

Detection of *Bordetella pertussis* and *Bordetella parapertussis*.

Cat. No.	Format	Intended use
11373974	64 rxn	RUO



Additional respiratory assays continue on the next page.





Respiratory Infections – continued

Additional focused respiratory assays and complementary syndromic panels.

ADDITIONAL RESPIRATORY ASSAYS

48	UG FLU/HRSV Multiplex detection of Influenza A virus, Influenza B virus and HRSV A/B.	Format	Pack	Ref.
		CE-IVD	32 rxn	10921784
		CE-IVD	64 rxn	10921785
		RUO	32 rxn	11374003
50	UG MERS-CoV Detection of MERS-CoV.	Format	Pack	Ref.
		RUO	64 rxn	11374006
53	UG Atypical CAP Multiplex detection of three major bacterial causes of atypical community-acquired pneumonia.	Format	Pack	Ref.
		RUO	64 rxn	11374010
56	UG HCoV* Multiplex detection of the seasonal human coronaviruses NL63, 229E, OC43 and HKU1.	Format	Pack	Ref.
		RUO	64 rxn	11374016
62	UG Flu differentiation* Differentiation of Influenza A(H1N1)pdm09, A(H3), A(H5) and A(H7) viruses.	Format	Pack	Ref.
		RUO	32 rxn	11374021
R22	UG Respiratory pathogens 22 Broad multiplex detection of 22 respiratory pathogens, including SARS-CoV-2, Influenza A/B, HRSV and other major viral and bacterial causes of respiratory infections.	Format	Pack	Ref.
		RUO	32 rxn	11373928
R24	UG Respiratory pathogens 24 Expanded multiplex detection of 24 respiratory pathogens, including SARS-CoV-2, Influenza A/B, HRSV and Bordetella pertussis, with specific detection of Influenza A(H3) and differentiation of HRSV A and B.	Format	Pack	Ref.
		RUO	32 rxn	11524240
		RUO	64 rxn	11524241
R34	UG Respiratory pathogens 34 Comprehensive multiplex detection of 34 viral and bacterial respiratory pathogens, including SARS-CoV-2, Influenza A/B, HRSV and a broad range of bacterial respiratory pathogens.	Format	Pack	Ref.
		RUO	32 rxn	11373926
R36	UG Respiratory pathogens 36 Expanded comprehensive panel for the detection of 36 viral and bacterial respiratory pathogens, including SARS-CoV-2, Influenza A/B, differentiated HRSV A/B, Influenza A(H3), Bordetella pertussis and Bordetella parapertussis.	Format	Pack	Ref.
		RUO	32 rxn	11524274
114	UG SARS-CoV-2 Detection of SARS-CoV-2.	Format	Pack	Ref.
		RUO	32 rxn	11416314
29	UG Bacterial pneumonia_CAP Multiplex detection of major bacterial pathogens associated with community-acquired pneumonia.	Format	Pack	Ref.
		RUO	32 rxn	11373969
27	UG Pneumocystis jirovecii Detection of <i>Pneumocystis jirovecii</i> .	Format	Pack	Ref.
		RUO	32 rxn	11373965

SEXUALLY TRANSMITTED INFECTIONS

Pathogen coverage overview

● included ○ not included

Pathogen	17	19	33	42	52
<i>Neisseria gonorrhoeae</i> (two targets)	●	○	○	○	○
<i>Neisseria gonorrhoeae</i>	○	○	●	●	●
<i>Chlamydia trachomatis</i>	○	○	●	●	●
<i>Mycoplasma genitalium</i>	○	○	●	●	●
<i>Mycoplasma hominis</i>	○	○	○	●	○
<i>Trichomonas vaginalis</i>	○	○	○	●	●
<i>Ureaplasma parvum</i>	○	○	○	●	●
<i>Ureaplasma urealyticum</i>	○	○	○	●	●
<i>Gardnerella vaginalis</i>	○	○	○	○	●
<i>Herpes simplex virus 1</i>	○	●	○	○	●
<i>Herpes simplex virus 2</i>	○	●	○	○	●
<i>Treponema pallidum</i>	○	●	○	○	○

17	UG Gonorrhoea confirmation Detection of two independent <i>Neisseria gonorrhoeae</i> targets for confirmatory testing.	Format	Pack	Ref.
		RUO	64 rxn	11373954
19	UG Genital Ulcer Multiplex detection of pathogens associated with genital ulcer disease, including HSV-1/2 and <i>Treponema pallidum</i> .	Format	Pack	Ref.
		RUO	64 rxn	11373956
33	UG Urethritis basic Multiplex detection of three major pathogens associated with urethritis: <i>Chlamydia trachomatis</i> , <i>Mycoplasma genitalium</i> and <i>Neisseria gonorrhoeae</i> .	Format	Pack	Ref.
		RUO	64 rxn	11373978
42	UG Urethritis plus Expanded multiplex detection of bacterial and parasitic pathogens associated with urethritis and other urogenital infections.	Format	Pack	Ref.
		RUO	32 rxn	11373993
52	UG STD9 Broad multiplex detection of common bacterial, viral and parasitic pathogens associated with sexually transmitted and urogenital infections.	Format	Pack	Ref.
		RUO	32 rxn	11374007

INFECTIONS OF THE IMMUNOSUPPRESSED

1	UG ACE Multiplex detection of human adenovirus, human cytomegalovirus and Epstein-Barr virus. Quantitative standards included.	Format	Pack	Ref.
		RUO	32 rxn	11373921
55	UG BKV Detection of BK virus. Quantitative standards included.	Format	Pack	Ref.
		RUO	64 rxn	11374014

EYE INFECTIONS

15	UG Eye Multiplex detection of major viral and bacterial pathogens associated with eye infections, including HSV-1/2, VZV, <i>Chlamydia trachomatis</i> and human adenovirus.	Format	Pack	Ref.
		RUO	64 rxn	11373950



Gastroenteritis

Targeted solutions for viral, bacterial and parasitic gastrointestinal pathogens.

Pathogen coverage overview

● included ○ not included

Pathogen	3	14	20	23
Norovirus GI	●	○	○	○
Norovirus GII	●	○	○	○
Human astrovirus	●	○	○	○
Rotavirus	●	○	○	○
Sapovirus	●	○	○	○
Human adenovirus	●	○	○	●
Enterovirus	○	○	○	●
Human parechovirus	○	○	○	●
Campylobacter coli/jejuni/ari	○	●	○	○
Clostridium difficile	○	●	○	○
Enterohemorrhagic E.coli vtx+	○	●	○	○
Salmonella spp.	○	●	○	○
Shigella	○	●	○	○
Yersinia enterocolitica	○	●	○	○
Cryptosporidium	○	○	●	○
Entamoeba histolytica	○	○	●	○
Giardia lamblia	○	○	●	○

UltraGene Gastroenteritis Panels

Broad and targeted solutions for gastrointestinal pathogens.

3

UG Viral gastroenteritis

Multiplex detection of major viral causes of gastroenteritis, including norovirus, rotavirus, astrovirus, sapovirus and human adenovirus.

Cat. No.	Format	Intended use
11373929	32 rxn	RUO

14

UG Bacterial gastroenteritis

Multiplex detection of major bacterial causes of gastroenteritis, including Clostridioides difficile, Salmonella, Shigella, Campylobacter, Yersinia enterocolitica and enterohemorrhagic E. coli.

Cat. No.	Format	Intended use
11373947	32 rxn	RUO

20

UG Stool parasites

Multiplex detection of Entamoeba histolytica, Cryptosporidium and Giardia lamblia.

Cat. No.	Format	Intended use
10921736	32 rxn	CE-IVD
10921737	64 rxn	CE-IVD
11373957	32 rxn	RUO

23

UG EPA

Detection of enterovirus, human parechovirus and human adenovirus.

Cat. No.	Format	Intended use
11373962	64 rxn	RUO

Meningitis

Focused and syndromic assays for central nervous system infections.



Pathogen coverage overview

● included ○ not included

Pathogen	13	28	60
Herpes simplex virus 1	●	○	●
Herpes simplex virus 2	●	○	●
Varicella zoster virus	●	○	●
Human herpesvirus 6	○	○	●
Human herpesvirus 7	○	○	●
Human parvovirus B19	○	○	●
Enterovirus	●	○	●
Human parechovirus	●	○	●
Human adenovirus	○	○	●
Human cytomegalovirus	○	○	●
Epstein-Barr virus	○	○	●
Mumps virus	●	○	○
Haemophilus influenzae	○	●	○
Neisseria meningitidis	○	●	○
Streptococcus pneumoniae	○	●	○

UltraGene Meningitis Panels

Comprehensive and focused solutions for central nervous system pathogens.

13

UG Viral meningitis

Multiplex detection of major viral pathogens associated with meningitis and other central nervous system infections.

Cat. No.	Format	Intended use
10921724	32 rxn	CE-IVD
10921725	64 rxn	CE-IVD
11373945	32 rxn	RUO

28

UG Bacterial meningitis

Multiplex detection of Haemophilus influenzae, Neisseria meningitidis and Streptococcus pneumoniae.

Cat. No.	Format	Intended use
11373967	32 rxn	RUO

60

UG Neuro 9

Broad multiplex detection of viral pathogens associated with central nervous system infections, including herpesviruses, enterovirus, parechovirus and human adenovirus.

Cat. No.	Format	Intended use
11374019	32 rxn	RUO

+

UG Viral meningitis plus

Expanded viral meningitis panel.

Cat. No.	Format	Intended use
11373946	32 rxn	RUO

Fever, Rash & Childhood Infections

Focused and multiplex assays supporting the diagnosis of febrile, exanthematous and pediatric infections.

Pathogen coverage overview

● included ○ not included

Pathogen	7	9	10	10+	46
<i>Herpes simplex virus 1</i>	●	○	○	○	○
<i>Herpes simplex virus 2</i>	●	○	○	○	○
<i>Varicella zoster virus</i>	●	○	○	○	○
<i>Human herpesvirus 6</i>	○	○	●	●	○
<i>Human herpesvirus 7</i>	○	○	●	●	○
<i>Human parvovirus B19</i>	○	○	●	●	○
<i>Enterovirus</i>	○	○	●	●	○
<i>Human parechovirus</i>	○	○	●	●	○
<i>Rubella virus</i>	○	○	○	●	○
<i>Measles virus</i>	○	○	○	○	●
<i>Microsporium audouinii/ canis/ferrugineum</i>	○	●	○	○	○
<i>Trichophyton mentagrophytes complex</i>	○	●	○	○	○
<i>Trichophyton rubrum complex</i>	○	●	○	○	○
<i>Trichophyton tonsurans</i>	○	●	○	○	○

Rash

7

UG Vesicular rash

Multiplex detection of HSV-1, HSV-2 and varicella zoster virus.

Cat. No.	Format	Intended use
10921716	32 rxn	CE-IVD
10921715	64 rxn	CE-IVD
10921714	32 rxn	RUO

9

UG Dermatophytes

Multiplex detection and differentiation of clinically relevant *Microsporium* and *Trichophyton* species and species complexes.

Cat. No.	Format	Intended use
11416318	64 rxn	RUO

Fever

10

UG Fever and rash

Multiplex detection of viral pathogens associated with fever and rash, including measles virus, HHV-6/7, parvovirus B19 and enterovirus.

Cat. No.	Format	Intended use
11373941	32 rxn	RUO

10+

UG Fever and rash plus

Expanded multiplex detection of viral pathogens associated with fever and rash, including measles and rubella viruses, HHV-6/7, parvovirus B19 and enterovirus.

Cat. No.	Format	Intended use
11524244	32 rxn	RUO

Childhood Infections

46

UG Measles

Detection of measles virus.

Cat. No.	Format	Intended use
11374001	32 rxn	RUO



Several targets in these panels overlap with meningitis-focused assays. Please see the meningitis section for related panels. These assays are designed for fever, rash and childhood infection presentations.

Tropical Fever

A flexible menu for vector-borne, parasitic and other tropical-fever pathogens.

Pathogen	36	40	43	44	84	A8
<i>Zikavirus</i>	○	○	○	○	●	●
<i>Chikungunya virus</i>	●	○	●	○	●	●
<i>Dengue virus</i>	●	○	●	○	●	○
<i>Leptospira</i>	●	○	○	○	○	○
<i>Plasmodium</i>	●	○	○	○	○	○
<i>Rickettsia</i>	●	○	○	○	○	○
<i>Salmonella</i>	●	○	○	○	○	○
<i>West Nile virus</i>	●	○	○	○	○	●
<i>Plasmodium falciparum</i>	○	●	○	○	○	○
<i>Plasmodium malariae</i>	○	●	○	○	○	○
<i>Plasmodium ovale</i>	○	●	○	○	○	○
<i>Plasmodium vivax</i>	○	●	○	○	○	○
<i>Dengue virus 1</i>	○	○	○	●	○	●
<i>Dengue virus 2</i>	○	○	○	●	○	●
<i>Dengue virus 3</i>	○	○	○	●	○	●
<i>Dengue virus 4</i>	○	○	○	●	○	●
<i>Japanese encephalitis virus</i>	○	○	○	○	○	●

● included ○ not included

36

UG Tropical fever core

Broad multiplex detection of viral, bacterial and parasitic pathogens associated with tropical fever.

RUO | 32 rxn | Ref 11373983

40

UG Malaria differentiation*

Differentiation of the four major human *Plasmodium* species: *P. falciparum*, *P. malariae*, *P. ovale* and *P. vivax*.

RUO | 64 rxn | Ref 11373992

43

UG Dengue/Chik

Multiplex detection of dengue virus and chikungunya virus.

RUO | 64 rxn | Ref 11373996

44

UG Dengue differentiation*

Differentiation of dengue virus serotypes 1–4.

RUO | 64 rxn | Ref 11373998

84

UG Zika/Dengue/Chik

Multiplex detection of Zika, dengue and chikungunya viruses.

RUO | 32 rxn | Ref 11374049

A8

UG Arbovirus 8

Broad multiplex detection of mosquito-borne viruses, including dengue virus serotypes 1–4, Zika, chikungunya, West Nile and Japanese encephalitis viruses.

RUO | 32 rxn | Ref 11524245

Hepatitis

Targeted solution for hepatitis virus detection.

57

UG Hepatitis E RNA

Detection of hepatitis E virus RNA. Quantitative standards included.

RUO | 64 rxn | Ref 11374030

IC

Internal Control

Exogenous internal control for monitoring nucleic acid extraction and amplification performance.

100 rxn | Ref 11414131

70

UltraGene mastermix

One-step RT-PCR enzyme and reaction buffer for use with UltraGene real-time PCR assays.

100 rxn | Ref 10921810

CC

UG LightCycler 480 Color compensation

Color compensation kit for calibration of fluorescence channels on the LightCycler 480.

2 runs | Ref 10921817