

# Quality Control Solutions

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## WHAT IS QCONNECT?

QConnect is your completely integrated and simplified QC solution.



## WHY USE QCONNECT?

Because everything connected to QC – ordering of customised QC samples, results management and reporting, control limits, Uncertainty of Measurement (MU) reports, troubleshooting and the ability to liaise with other users and experts - are all streamlined into a single portal.

We've made QC easy.

## QCONNECT FEATURES



### QC SAMPLES

QConnect QC samples have been specifically optimised and validated to match assays commonly used for infectious diseases testing. These QC samples have been designed to react at an appropriate level within the analytical range of various assays.

QConnect QC samples are registered IVDs, manufactured in an ISO 13485 facility and where applicable, are standardised against the WHO international standards leading to traceability claims, consistent with ISO 17511.

QConnect QC serology samples are ready-to-use and are bar-coded to ensure traceability. For your convenience, the Serology Multimarker Range of products is easily identifiable by their colour coding. Globally, a

single batch of each QConnect QC sample is available, allowing all QConnect participants using the same assay to compare their QC results.

This QConnect catalogue offers a selection of QC samples for clinical and blood screening laboratories performing serology and/or Nucleic Acid Testing (NAT) for a range of infectious diseases. Simply locate the assay currently in use and select the appropriately matched QC.

QC Samples for Europe can be ordered through Diamex ([order@diamex.com](mailto:order@diamex.com)) and for elsewhere, through NRL ([www.nrlquality.org.au/purchasing-qconnect-qcs](http://www.nrlquality.org.au/purchasing-qconnect-qcs)). Establishing standing orders is highly recommended as a way of ensuring that your stock never runs low.

EDCNet is an internet-based software program specifically designed for monitoring both serology and NAT QC results. EDCNet allows for the simple collection, management and analysis of QC data in real-time.

**Access to this multilingual software is free** when purchasing QConnect QC samples and you can log in to EDCNet anywhere around the world, at any time.

Once registered, QConnect members can access EDCNet through logging in with a username and password. The anonymity of all participants is protected by a unique laboratory code. EDCNet has security systems similar to that used for internet banking, is supported by all major internet browsers and requires no software installation.

QConnect members who use EDCNet can share QC data to assess the accuracy and precision of their assays. All QConnect-labelled products are automatically set up in EDCNet. You can edit or delete data as required. There is no need to back up data in case of loss and EDCNet can be interfaced with your individu-

al Laboratory Information System or instrumentation. EDCNet functionality is designed for all levels of users. Basic users can set up EDCNet and walk away, having automated alerts and reports sent directly to their email address. Power users can take advantage of the advanced in-built QC analysis functions to identify and investigate trends and shifts in QC results. Customised QC reports, providing real-time review of results in a Levey-Jennings or Mean/Scatter graphical or tabular format, can be sent directly to each QConnect member by email or saved as a PDF. EDCNet can be programmed to automatically schedule the email delivery of your customised report on a weekly or monthly basis.

EDCNet also has a “network” option that allows a group of laboratories to track trends and compare QC test results across all laboratories within that network.

For further information about EDCNet please refer to: [www.nrlquality.org.au/qconnect](http://www.nrlquality.org.au/qconnect)



## QCONNECT LIMITS

QConnect Limits take advantage of peer data sharing and provide users robust, pre-determined control limits. QC limits are based on up to 10 years of QC data and are available for commonly used QC sample/assay combinations. These statistically validated QC limits give you the confidence to know immediately when your system is not running to specification.

### What are QConnect Limits?

Traditional QC approaches used to determine QC limits have been derived or modified from clinical chemistry and may not be applicable to serology or NAT. QConnect Limits, developed by NRL, utilise historical data by determining expected upper and lower values of results for each QC sample/assay combination. All QConnect participants using the same assay and the same QC sample submit results to EDCNet. Over time, multiple lots of QC samples have been tested by many laboratories, operators and instruments across

numerous lots of reagents. These results reflect the expected extent of variation for that QC sample/assay combination. These results have been extracted and analysed in collaboration with a biostatistician. The variation of QC results, both within each QC lot and between each QC lot was used to determine an upper and lower limit for each QC sample/ assay combination. These limits allows for the identification of any unexpected QC result, potentially identifying unacceptable variation from a range of sources including reagent lot numbers; instruments or equipment calibration and maintenance; operator errors; assay and QC sample storage and transport or environmental conditions.

### How to use QConnect Limits

When entering data into EDCNet, results outside the QConnect Limits for that QC sample/assay combination are flagged in red indicating further investigation is required. All results outside the QConnect Limits are

held in quarantine until they are validated by an NRL staff member. Participants can overlay the QConnect Limits on Levey-Jennings and other EDCNet charts in conjunction with laboratory-specific and peer group limits. NRL also provides a suggested approach, including a check list, for the investigation and troubleshooting of unexpected results.

Note: QConnect QC samples are used in addition to the manufacturers' controls and as such, the manufacturers' instructions for validating an assay should be adhered to.

For further information regarding QConnect Limits please refer to:

[www.nrlquality.org.au/qconnect](http://www.nrlquality.org.au/qconnect)



## MU REPORTS

To fulfil regulatory requirements with ease, you can subscribe to annual MU reports specific for your laboratory. NRL has developed a method for estimating and reporting MU for quantitative assays based on a comparison of your laboratory's QC results with those reported by other laboratories using the same QC sample/assay combination (peer group). The methodology for determining MU is pub-

lished and scientifically validated. The MU estimation accounts for the assay's imprecision (random error) and bias (systematic error).

For more information regarding MU reports please refer to:

[www.nrlquality.org.au/qconnect](http://www.nrlquality.org.au/qconnect)



## QUESTIONS & ANSWERS

The QConnect portal provides you with a repository of information including frequently asked questions about the usage, storage, testing or troubleshooting of results obtained from your QC sample. If you can't find the answers there, additional questions can always be directed to [qconnect@nrlquality.org.au/qconnect](mailto:qconnect@nrlquality.org.au/qconnect)



## NEWS & INVESTIGATIONS

We know you don't have time to spend countless hours searching for information. QConnect also supplies a list of relevant literature about QC for infectious diseases testing including:

- Journal Publications
- Presentations
- Investigations and Case Studies
- Laboratory Standards and Requirements

Please refer to: [www.nrlquality.org.au/qconnect](http://www.nrlquality.org.au/qconnect)



## CONTACT MEMBERS

QConnect is your gateway to a QC community and allows you to access advice from your peers, NRL staff and other experts in the field, wherever you are in the world.

## SUPPORT AT YOUR FINGERTIPS

NRL provides scientific and technical support to all QConnect and EDCNet users. All data outside the QConnect Limits are reviewed on a daily basis by NRL staff. As part of the personalised QConnect service, NRL staff are available to perform detailed investigations into unusual QC results, liaise with assay manufacturers and issue written reports.

## ABOUT NRL

NRL was established in 1985 as part of the Australian Government's HIV/AIDS Strategy, to evaluate HIV tests and adjudicate on the interpretation of HIV test results. Today, NRL remains a not-for-profit scientific organisation that exists for the benefit of the public.

Its overall goal is to support laboratories, in Australia and internationally, that perform testing for the diagnosis and management of human infectious disease. NRL is designated a WHO Collaborating Centre for Diagnostics and Laboratory Support for HIV and AIDS and Other Blood-borne Infections.

### Mission

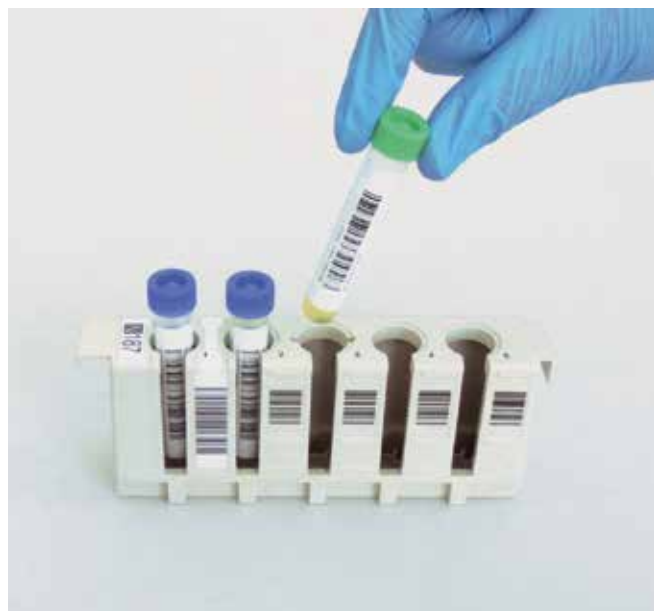
To promote the quality of tests and testing for infectious diseases globally.

### Goals

NRL seeks to ensure that laboratory results for infectious diseases are of high quality by providing:

- comprehensive and innovative quality assurance services;
- evaluations of tests and test algorithms;
- specialised laboratory testing services;
- training with sustainable outcomes;
- consultation and advice on policy relating to laboratory testing.

## THE **READY-TO-USE** CONCEPT



Our **ready-to-use** concept means that the controls may remain directly in the carrier or robots of the test system. The additional step of refilling of the controls manually from conventional dropper bottles into the vials of the carrier is no longer necessary. Less dead volume is required for multi analyte measurements in a single vial, thus saving the customer valuable control material.

### ADVANTAGES

- ▶ vials developed according to the individual platform (e. g. for ARCHITECT®, LIAISON® and others)
- ▶ high yield
- ▶ ready to use solutions
- ▶ less sources of error
- ▶ better protection against contamination
- ▶ predefined control limits
- ▶ barcode labels are included


▶▶▶ **easy handling and highly efficient**

# OVERVIEW: CONTROL / ASSAY COMBINATIONS

## SEROLOGY MULTI-MARKER BLOOD SCREENING


QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	




Abbott	ARCHITECT	Anti-HBc II CMIA, Anti-HCV CMIA, HBsAg Qualitative II CMIA, HIV Ag/Ab Combo CMIA, rHTLV I/II CMIA, Syphilis TP CMIA	12
	Alinity	Alinity s Anti-HBc, Anti-HCV, HBsAg, HIV Ag/Ab Combo, Syphilis, Anti-HTLV I/II	
		Alinity i Anti-HCV, HIV Ag/Ab Combo, rHTLV-I/II, anti-HBc II, Syphilis TP, HBsAg II, HBsAg Qualitative II	
DiaSorin	LIAISON LIAISON XL	Anti-HBc CLIA, Treponema Screen CLIA, MUREX HBsAg Quant CLIA, MUREX HCV Ab CLIA, MUREX HIV Ab/Ag CLIA, MUREX recHTLV I/II CLIA, MUREX HIV Ab/Ag HT	




Bio-Rad		ULTRA HIV Ag-Ab EIA, HIV-1 Ag EIA (37c INC) HIV-1 Ag EIA (40c INC), HIV-1/2 Version 2	12
		Monolisa Anti-HBc Plus EIA, Anti-HCV Plus Version 2 EIA, HBsAg ULTRA EIA, HCV Ag-Ab ULTRA V2 EIA, anti-HCV Plus Version 3	
		Syphilis Total Antibody	



Roche	Elecsys Cobas	Anti-HBc ECLIA, Anti-HCV II ECLIA, HBsAg II ECLIA, HIV com-bi PT ECLIA, Syphilis ECLIA, Anti HTLV-I/II ECLIA, Anti-HBc II, HIV Duo	13
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Siemens	ADVIA Centaur	ADVIA Centaur HBsAgII ChLIA, HCV ChLIA, HBc Total ChLIA, HIV Ag/Ab Combo (CHIV) ChLIA, HIV1/O/2 Enhanced (EHIV) ChLIA, Syphilis (SYPH) ChLIA	13
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## SEROLOGY MULTI-MARKER HEPATITIS

QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	
	Abbott	ARCHITECT Alinity i	Anti-HAV IgG, Anti-HBs, Anti-HBe	14
	DiaSorin	LIAISON LIAISON XL	Anti-HAV, Anti-HBe	
			Murex Anti-HBs	
	Roche	Elecsys, Cobas	Anti-HAV, Anti-HBs II, Anti-HBe	
	Siemens	ADVIA Centaur	Anti-HAV Total, Anti-HBs2, Anti-HBe	
	Wantai		HEV-IgG ELISA	
	DiaSorin	LIAISON LIAISON XL	HAV IgM, HBc IgM, HBeAg	14
	Wantai		HEV-IgM ELISA	
	Abbott	ARCHITECT Alinity i	Anti-HAV IgM, Anti-HBc IgM, HBeAg	14
	Roche	Elecsys, Cobas	Anti-HAV IgM, Anti-HBc IgM, HBeAg	
	Siemens	ADVIA Centaur	Anti-HAV IgM, Anti-HBc IgM, HBeAg	
	Mikrogen		recomWell HEV IgM ELISA	

## SEROLOGY MULTI-MARKER TORCH



QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	
	Abbott	ARCHITECT Alinity i	Toxo IgM, Rubella IgM, CMV IgM, EBV VCA IgM	15
	DiaSorin	LIAISON LIAISON XL	Toxo IgM, Rubella IgM, CMV IgM II, EBV VCA IgM, HSV 1/2 IgM	
	Abbott	ARCHITECT Alinity i	Toxo IgG, Rubella IgG, CMV IgG, EBV VCA IgG, EBNA-1 IgG	15
	DiaSorin	LIAISON LIAISON XL	Toxo IgG II, Rubella II IgG, CMV IgG II, VCA IgG, HSV 1/2 IgG, EBNA IgG	
	Siemens	Enzygnost	Toxo IgG, Anti-Rubella IgG, Anti-CMV IgG, Anti-EBV IgG, Anti-EBNA IgG, HSV-1/2 IgG	

## SEROLOGY MULTI-MARKER OTHERS


QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	
	DiaSorin	LIAISON LIAISON XL	Measles IgG, Mumps IgG, Parvovirus B19 IgG, VZV IgG	16
	Siemens, NovaTec	Enzygnost Novagnost	Anti-Measles-Virus/IgG, Anti-Parotitis-Virus/IgG, Anti-VZV/IgG, Novagnost Parvovirus B19 IgG	








## SEROLOGY SINGLE-MARKER BLOOD SCREENING

QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	
	Abbott	ARCHITECT Alinity i Alinity s	HIV Ab/Ag Combo HIV Combo	16
	DiaSorin	LIAISON (XL)	Murex HIV Ab/Ag, Murex HIV Ab/Ag HT	
	Roche	Elecsys, Cobas	Elecsys HIV Combi PT, HIV Duo	
	Siemens	ADVIA Centaur	HIV Ag/Ab Combo Assay	
	Bio-Rad		Genscreen Ultra HIV Ag-Ab, HIV-1 Ag Assay	
	Newmarket Biomedical		Newbio-PK TPHA	17
	Fujirebio		Serodia Treponema pallidum particle agglutination (TP-PA) test, Serodia TPPA Qualitative	
	Biokit		RPR reditest	
	Trinity Biotech		Captia Syphilis TA	



## SEROLOGY SINGLE-MARKER TROPICAL DISEASES

QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	
	Trinity Biotech		Captia Malaria EIA	17

## SEROLOGY SINGLE-MARKER OTHERS

QC Sample Name	Assay			Page
	Manufacturer	System	Assay Name	
	DiaSorin	LIAISON (XL)	Measles IgM	18
	Siemens	Enzygnost	Anti-Measles-Virus/IgM	
	DiaSorin	LIAISON (XL)	Biotrin Parvovirus B19 IgM	18
	NovaTec	Enzygnost	Parvovirus B19 IgM	
	DiaSorin	LIAISON (XL)	Mumps IgM	18
	Siemens	Enzygnost	Anti-Parotitis-Virus/IgM	
	DiaSorin	LIAISON (XL)	VZV IgM	19
	Siemens	Enzygnost	Anti-VZV/IgM	
	DiaSorin	LIAISON (XL)	HSV-2 IgG	19

## SEROLOGY SINGLE-MARKER OTHERS

QC Sample Name				Page
	Manufacturer	Analyte	Assay / Instrument	
	Abbott	Anti-SARS-CoV-2 IgG	ARCHITECT SARS-CoV-2 IgG CMIA	20
	DiaSorin		LIAISON SARS-CoV-2 CLIA S1/S2 IgG	
	Roche		Elecsys Anti-SARS-CoV-2	
	YHLO		iFlash SARS-CoV-2 IgG	
	Euroimmun		EUROIMMUN Anti-SARS-CoV-2-ELISA IgG	
	NovaTec		NovaLisa SARS-CoV-2 IgG	
	YHLO	Anti-SARS-CoV-2 IgM	iFlash SARS-CoV-2 IgM	20

## MOLECULAR QUALITY CONTROLS

QC Sample Name	Analytes	Assay / Instrument	Page
<b>QConnect CTNGNAT</b>	C. trachomatis N. gonorrhoeae	All assays that detect <i>Chlamydia trachomatis</i> / <i>Neisseria gonorrhoeae</i>	21
<b>QConnect TriScreen</b>	HIV RNA HBV DNA HCV RNA	Roche cobas TaqScreen MPX Test, v 2.0 (s201) Roche cobas MPX Test (6800/8800)	21
<b>QConnect HIVNAT Low</b>	HIV RNA	All quantitative (viral load) assays including: Abbott M2000sp/rt, Roche COBAS AmpliPrep/TaqMan, Roche cobas 6800/8800	21
<b>QConnect HBVNAT Low</b>	HBV DNA	All quantitative (viral load) assays including: Abbott M2000sp/rt, Roche COBAS AmpliPrep/TaqMan, Roche cobas 6800/8800	22
<b>QConnect HCVNAT Low</b>	HCV RNA	All quantitative (viral load) assays including: Abbott M2000sp/rt, Roche COBAS AmpliPrep/TaqMan, Roche cobas 6800/8800	22
<b>QConnect CMVNAT Low</b>	CMV DNA	All qualitative and viral load CMV DNA assays	23
<b>QConnect HPVNEG</b>	Negative	All HPV qualitative assays	23
<b>QConnect HPV16NAT</b>	HPV DNA (genotype 16)	All HPV qualitative assays	23
<b>QConnect HPV18NAT</b>	HPV DNA (genotype 18)	All HPV qualitative assays	23

## MOLECULAR QUALITY CONTROLS

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QC Sample Name	Analytes	Assay / Instrument	Page
<b>Optitrol NAT SARS-CoV-2</b>	SARS-CoV-2	RIDA GENE SARS-CoV-2 RUO realtime PCR	24
		Eurobio Plex SARS-CoV-2 Multiplex	
		Novel Coronavirus (2019-nCov)	
		cobas SARS-CoV-2	
		VIASURE SARS-CoV-2 S gene	

# SEROLOGY MULTI-MARKER BLOOD SCREENING



## Optitrol Blue



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-HIV 1 IgG  
Anti-HCV IgG  
HBsAg  
Anti-HBc IgG  
Anti-HTLV I IgG  
Anti-*Treponema* IgG

CAT. NO.	CONTENT	KIT
SR11011	Positive control1	4 x 5 mL

For further information see instructions for use.

\* From date of manufacture



## QConnect Green



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-HIV 1 IgG  
Anti-HCV IgG  
HBsAg  
Anti-HBc IgG  
Anti-HTLV I IgG  
Anti-*Treponema* IgG

CAT. NO.	CONTENT	KIT
SR01041	Positive control	4 x 5 mL

For further information see instructions for use.

\* From date of manufacture

# SEROLOGY MULTI-MARKER BLOOD SCREENING



## QConnect Red



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-HIV 1 IgG  
Anti-HCV IgG  
HBsAg  
Anti-HBc IgG  
Anti-HTLV I IgG  
Anti-*Treponema* IgG

CAT. NO.	CONTENT	KIT
SR01051	Positive control	4 x 5 mL

For further information see instructions for use.

\* From date of manufacture



## QConnect Orange



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-HIV 1 IgG  
Anti-HCV IgG  
HBsAg  
Anti-HBc IgG  
Anti-HTLV I IgG  
Anti-*Treponema* IgG

CAT. NO.	CONTENT	KIT
SR01061	Positive control	4 x 5 mL

For further information see instructions for use.

\* From date of manufacture

# SEROLOGY MULTI-MARKER HEPATITIS



## QConnect HEPR



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-HBs IgG  
Anti-HBe IgG  
Anti-HAV IgG  
Anti-HEV IgG

CAT. NO.	CONTENT	KIT
SR02013	Positive control	4 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



## Optitrol HEPA-1



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

HBeAg  
Anti-HBc IgM  
Anti-HAV IgM  
Anti-HEV IgM

CAT. NO.	CONTENT	KIT
SR12027	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



## Optitrol HEPA-2



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

HBeAg  
Anti-HBc IgM  
Anti-HAV IgM  
Anti-HEV IgM

CAT. NO.	CONTENT	KIT
SR12037	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

# SEROLOGY MULTI-MARKER TORCH



## Optitrol ToRCH M



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-Rubella IgM  
Anti-*Toxoplasma* IgM  
Anti-CMV IgM  
Anti-EBV VCA IgM  
Anti-HSV 1 IgM

CAT. NO.	CONTENT	KIT
SR13027	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



## Optitrol ToRCH G



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-Rubella IgG  
Anti-*Toxoplasma* IgG  
Anti-CMV IgG  
Anti-EBV VCA IgG  
Anti-EBV EBNA IgG  
Anti-HSV 1 IgG

CAT. NO.	CONTENT	KIT
SR13017	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture





### QConnect Pediatric G



#### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

#### Analytes included

Anti-Measles IgG  
Anti-Mumps IgG  
Anti-Parvo B19 IgG  
Anti-VZV IgG

CAT. NO.	CONTENT	KIT
SR05017	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



### QConnect HIV p24



#### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

#### Analytes included

HIV 1 p24 Antigen

CAT. NO.	CONTENT	KIT
SR01103	Positive control	4 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

## SEROLOGY SINGLE-MARKER BLOOD SCREENING



### QConnect Syphilis G



#### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

#### Analytes included

Anti-*Treponema pallidum* IgG

CAT. NO.	CONTENT	KIT
SR01137	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

## SEROLOGY SINGLE-MARKER TROPICAL DISEASES



### QConnect Malaria



#### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

#### Analytes included

Anti-*Plasmodium* sp. IgG

CAT. NO.	CONTENT	KIT
SR06013	Positive control	4 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

# SEROLOGY SINGLE-MARKER BLOOD SCREENING



## QConnect Measles M



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-Measles IgM

CAT. NO.	CONTENT	KIT
SR05047	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



## QConnect Parvo M



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-Parvo B19 IgM

CAT. NO.	CONTENT	KIT
SR05057	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



## QConnect Mumps M



### Storage and Stability

Sealed:\* 24 months at 2 to 8°C  
After opening: 90 days at 2 to 8°C

### Analytes included

Anti-Mumps IgM

CAT. NO.	CONTENT	KIT
SR05067	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

## SEROLOGY SINGLE-MARKER OTHERS



### QConnect VZV M



#### Storage and Stability

Sealed:\* 24 months at 2 to 8°C

After opening: 90 days at 2 to 8°C

#### Analytes included

Anti-VZV IgM

CAT. NO.	CONTENT	KIT
SR05077	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



### QConnect HSV 2 G



#### Storage and Stability

Sealed:\* 24 months at 2 to 8°C

After opening: 90 days at 2 to 8°C

#### Analytes included

Anti-HSV 2 IgG

CAT. NO.	CONTENT	KIT
SR03037	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

## SEROLOGY SINGLE-MARKER OTHERS



### QConnect COVID19 IgG



#### Storage and Stability

Sealed:\* 12 months at 2 to 8°C

After opening: 60 days at 2 to 8°C

#### Analytes included

Anti-SARS-CoV-2 IgG

CAT. NO.	CONTENT	KIT
SR14037	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture



### QConnect COVID19 IgM



#### Storage and Stability

Sealed:\* 12 months at 2 to 8°C

After opening: 60 days at 2 to 8°C

#### Analytes included

Anti-SARS-CoV-2 IgM

CAT. NO.	CONTENT	KIT
SR14047	Positive control	2 x 2.5 mL

For further information see instructions for use.

\* From date of manufacture

# MOLECULAR QUALITY CONTROLS



## QConnect CTNGNAT



### Storage and Stability

Sealed:\* 18 months at -20°C  
After opening: 24 hours at 2 to 8°C

### Analytes included

*Chlamydia trachomatis*  
*Neisseria gonorrhoeae*

CAT. NO.	CONTENT	KIT
NT20101	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX20101>

For further information see instructions for use.

\* From date of manufacture



## QConnect TriScreen



### Storage and Stability

Sealed:\* 18 months at -20°C  
After opening: 5 days at 2 to 8°C

### Analytes included

HIV RNA  
HBV DNA  
HCV RNA

CAT. NO.	CONTENT	KIT
NT10101	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX10101>

For further information see instructions for use.

\* From date of manufacture



## QConnect HIVNAT Low



### Storage and Stability

Sealed:\* 18 months at -20°C  
After opening: 24 hours at 2 to 8°C

### Analytes included

HIV RNA

CAT. NO.	CONTENT	KIT
NT21001	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX21001>

For further information see instructions for use.

\* From date of manufacture

# MOLECULAR QUALITY CONTROLS



## QConnect HBV NAT Low



### Storage and Stability

Sealed:\* 18 months at -20°C  
After opening: 24 hours at 2 to 8°C

### Analytes included

HBV DNA

CAT. NO.	CONTENT	KIT
NT20701	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX20701>

For further information see instructions for use.

\* From date of manufacture



## QConnect HCV NAT Low



### Storage and Stability

Sealed:\* 18 months at -20°C  
After opening: 24 hours at 2 to 8°C

### Analytes included

HCV RNA

CAT. NO.	CONTENT	KIT
NT20801	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX20801>

For further information see instructions for use.

\* From date of manufacture



## QConnect CMV NAT Low



### Storage and Stability

Sealed:\* 18 months at -20°C  
After opening: 24 hours at 2 to 8°C

### Analytes included

CMV DNA

CAT. NO.	CONTENT	KIT
NT20401	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX20401>

For further information see instructions for use.

\* From date of manufacture



# MOLECULAR QUALITY CONTROLS



## QConnect HPVNEG



### Storage and Stability

Sealed:\* 18 months at 2 to 8°C  
After opening: Up to 10 days at room temperature

### Negative for:

HPV DNA

CAT. NO.	CONTENT	KIT
NT21501	Negative control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX21501>

For further information see instructions for use.

\* From date of manufacture



## QConnect HPV16NAT



### Storage and Stability

Sealed:\* 18 months at 2 to 8°C  
After opening: Up to 10 days at room temperature

### Analytes included

HPV DNA (genotype 16)

CAT. NO.	CONTENT	KIT
NT21502	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX21502>

For further information see instructions for use.

\* From date of manufacture



## QConnect HPV18NAT



### Storage and Stability

Sealed:\* 18 months at 2 to 8°C  
After opening: Up to 10 days at room temperature

### Analytes included

HPV DNA (genotype 18)

CAT. NO.	CONTENT	KIT
NT21503	Positive control	10 x 1.4 mL

E-label product key: <http://qa.e-labeling.eu/EDX21503>

For further information see instructions for use.

\* From date of manufacture

## MOLECULAR QUALITY CONTROLS



### Optitrol NAT SARS-CoV-2



#### Storage and Stability

Sealed:\* 18 months at -20°C

After opening: 5 days at 2 to 8°C

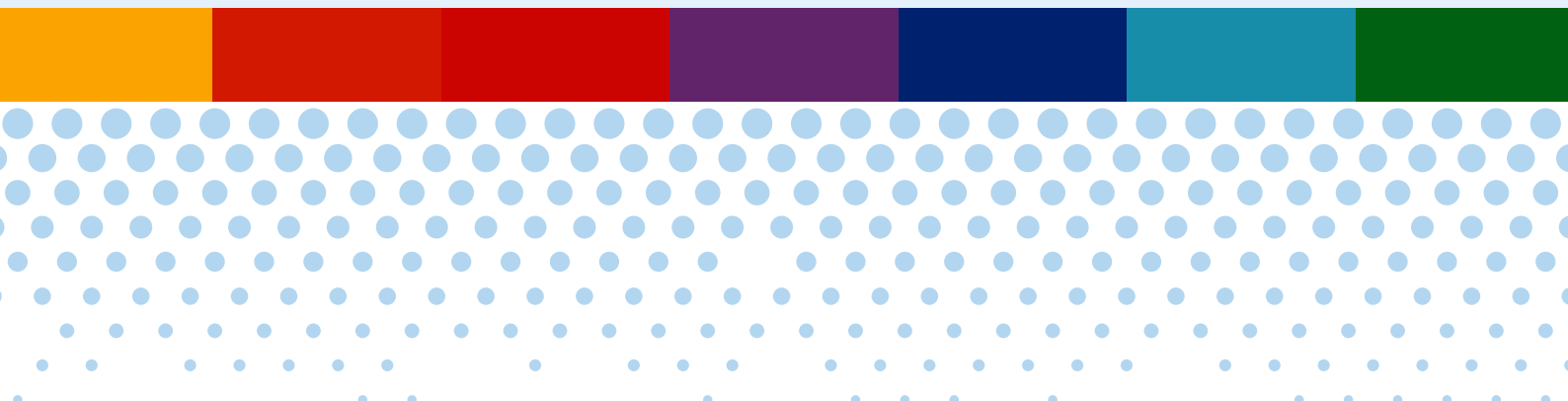
#### Negative for:

SARS-CoV-2

CAT. NO.	CONTENT	KIT
NT04032	Positive control	10 x 0.6 mL

For further information see instructions for use.

\* From date of manufacture



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