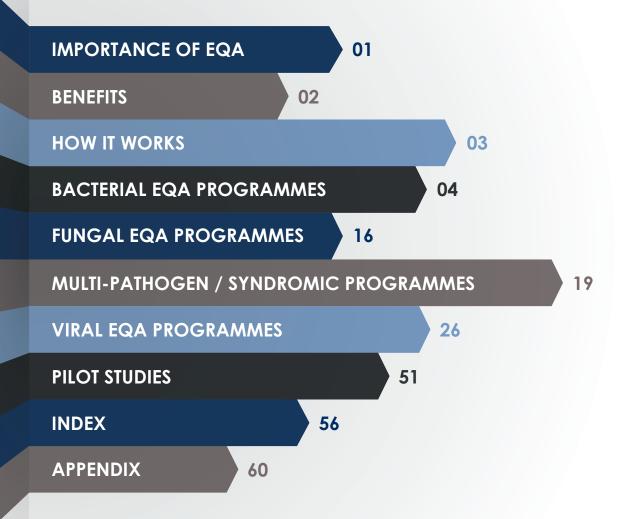




EQA FOR MOLECULAR INFECTIOUS DISEASE TESTING

EQA FOR MOLECULAR INFECTIOUS DISEASE TESTING

QCMD (Quality Control for Molecular Diagnostics) is an independent External Quality Assessment (EQA) / Proficiency Testing (PT) scheme specialising in molecular testing of a wide range of infectious diseases.



IMPORTANCE OF EXTERNAL QUALITY ASSESSMENT

External Quality Assessment (EQA) or Proficiency Testing (PT) provides a means of periodically assessing a laboratory's performance in comparison with other laboratories using the same method and instrument.

Unlike Internal Quality Control (IQC), EQA provides an effective method of monitoring a laboratory's bias or accuracy through the analysis of 'blind samples'. Participation in an EQA scheme like QCMD will also support regulatory requirements and will assist in quality improvements.

EQA plays an essential role in assuring laboratory quality by supporting daily IQC. It facilitates interlaboratory performance comparison and encourages greater standardisation in testing. EQA has a number of functions:

- Helps maintain and improve the analytical quality of laboratory tests
- Provides an objective view of test system performance that IQC alone cannot provide
- Helps improve interlaboratory agreement
- Initiates corrective and preventative actions to resolve problems

Furthermore, participating in an EQA scheme is often a prerequisite to gaining accreditation, ISO 15189 states, "the laboratory shall participate in interlaboratory comparisons such as those organised by external quality assessment schemes".

In short, participation in an EQA scheme will give labs greater confidence and will provide evidence that the patient results they are reporting are reliable and accurate.

BENEFITS



EXTENSIVE PROGRAMME OFFERING

Boasting the largest selection of molecular EQA programmes for infectious disease testing, you are sure to find what you're looking for.



FREQUENCY

Choose between one, two and four challenges* per year to suit your laboratory requirements. Reports are available within 2 weeks of the submission deadline (up to 4 weeks for the drug resistance / sequence based schemes), ensuring any corrective actions can be taken quickly.



HIGH QUALITY MATERIAL

The availability of whole pathogen samples in clinically relevant matrices mimics the performance of patient samples and ensures samples can be used to effectively monitor the performance of the entire testing process.



INTERNATIONAL ACCREDITATION

Where appropriate the EQA schemes are accredited to ISO 17043:2010 highlighting the superior quality and organisation of the QCMD scheme.



ONLINE EQA MANAGEMENT SYSTEM

IT EQA Management System (ITEMS) provides an online tool to easily manage all EQA activities from programme registration to submission of results and provision of EQA reports.



HIGH LEVEL OF PARTICIPATION

With over 10,000 participant registrations in more than 100 countries, peer groups are maximised, increasing statistical validity.



COMPREHENSIVE REPORTS

Individual reports are provided with each EQA challenge. In line with the requirements of ISO17043, they provide the laboratories with their results and performance assessment in relation to their EQA assessment group (peer review group).

Supplementary reports which include scientific expert commentary may be provided at the end of the EQA cycle if appropriate.

°programme dependent

HOW IT WORKS

The QCMD portfolio is extensive covering over 300 target organisms across more than 90 EQA programmes and pilot studies.

The following diagram provides an overview of the schemes operation.

EQA REGISTRATION

Participants may register for EQA programmes online via the participant profile area.

EQA REPORTS

Participant receives a report within 2 weeks (up to 4 weeks for the drug resistance / sequence based schemes) summarising their performance in comparison to their peer group.

MANAGEMENT

All aspects of the scheme can be easily managed using QCMD's unique IT EQA Management System (ITEMS).

DATA COLLECTION

Results are returned to QCMD for analysis. Due to our high level of participation a wide variety of workflows are covered.

e returned

EQA TESTINGLaboratory analyses

each sample. The number of samples is programme dependent.

DISTRIBUTION

Laboratories have a choice of one, two or four distributions per year.

BACTERIAL EQA PROGRAMMES

ATYPICAL MYCOBACTERIUM

NTM21

Designed to evaluate the ability to detect and differentiate Atypical mycobacterium or non-tuberculous mycobacterium using routine molecular methods.

	Available Format(s)
Catalogue Number	QAB194208_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q2

Specifications

Target Pathogen - Atypical mycobacterium or non-tuberculous mycobacterium (NTM)

NA Target Source – Cultured and/or Clinical material

Matrix - Transport Medium and/or Physiological Buffer

Sample Volume – 1 ml

Analysis Type - Qualitative

Format - Liquid ready-to-use

Accreditation - ISO17043

BACTERIAL 16S RIBOSOMAL RNA

B16SrRNA21

Designed to evaluate the ability to detect, identify and interpret which bacterial species are provided within each panel member using routine 16S rRNA molecular diagnostic procedures.

	Available Format(s)
Catalogue Number	QAB164183_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – May include clinically relevant species of *Serratia*, *Escherichia*, *Staphylococcus*, *Enterococcus* and *Klebsiella*.

Matrix - Physiological Buffer

Sample Volume – 0.5 ml

Analysis Type - Molecular typing

Format – Liquid frozen

BORDETELLA PERTUSSIS

BPDNA21

Designed to evaluate the ability to detect Bordetella pertussis using molecular methods.

	Available Format(s)
Catalogue Number	QAB094132_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Bordetella pertussis
Matrix – Physiological Buffer
Sample Volume – 1.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

BORRELIA BURGDORFERI SPP. (LYME DISEASE)

BbDNA21

Designed to assess the qualitative detection of *Borrelia burgdorferi* sensu lato genospecies complex at different concentrations.

	Available Format(s)
Catalogue Number	QAB114147_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Borrelia burgdorferi spp.

Matrix – Microbiological Medium and/or Transport Medium

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

CHLAMYDIA PSITTACI

CPS21

Designed to evaluate the ability to detect Chlamydia psittaci using molecular methods.

	Available Format(s)
Catalogue Number	QAB134165_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Chlamydia psittaci Matrix – Transport Medium Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO17043

CHLAMYDIA TRACHOMATIS

CTDNA21

Designed to assess the qualitative detection of *Chlamydia trachomatis* at various concentrations, and the ability to correctly identify different *C. trachomatis* strains using molecular methods.

	Available Format(s)	
Catalogue Number	QAB004101_1	QAB004101_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Chlamydia trachomatis
Matrix – Urine and/or Physiological Buffer
Sample Volume – 4.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

CHLAMYDIA TRACHOMATIS AND NEISSERIA GONORRHOEAE

CTNg21

Designed to evaluate the ability to detect *Chlamydia trachomatis* and *Neisseria gonorrhoeae* using molecular methods.

	Available Format(s)	
Catalogue Number	QAB174191_1	QAB174191_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Chlamydia trachomatis; Neisseria gonorrhoeae

Matrix – Urine and/or Physiological Buffer

Sample Volume – 4.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO 17043

CHLAMYDOPHILA PNEUMONIAE

CP21

Designed to evaluate the ability to detect *Chlamydophila pneumoniae* using molecular methods.

	Available Format(s)
Catalogue Number	QAB084107_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Chlamydophila pneumoniae

Matrix – Bronchoalveolar Lavage (BAL) and/or Transport Medium

Sample Volume – 0.5 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO17043

CLOSTRIDIUM DIFFICILE (CD)

CDDNA21

Designed to evaluate the ability to detect Clostridium difficile using molecular methods.

	Available Format(s)	
Catalogue Number	QAB084125_1	QAB084125_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen – Clostridium difficile (CD)

Matrix - Microbiological Medium and/or Synthetic Faecal Matrix

Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO17043

DIARRHEAGENIC ESCHERICHIA COLI

E.COLI21

Designed to evaluate the ability to detect diarrheagenic *Escherichia coli* strains using routine molecular methods.

	Available Format(s)
Catalogue Number	QAB154179_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Diarrheagenic Escherichia coli

Matrix - Synthetic Faecal Matrix and/or Physiological Buffer

Sample Volume - 1.0 ml

Analysis Type - Molecular typing

Format – Liquid frozen
Accreditation – ISO17043

EXTENDED SPECTRUM B-LACTAMASE AND CARBAPENEMASE

ESBL21

Designed to evaluate the ability to detect and determine different ESBL and Carbapenemases in a clinical setting.

	Available Format(s)
Catalogue Number	QAB134162_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Various bacteria carrying ESBL and catbapenemase genes
Matrix – Physiological Buffer
Sample Volume – 0.5 ml
Analysis Type – Molecular typing
Format – Liquid frozen
Accreditation – ISO17043

GROUP B STREPTOCOCCUS

GBS21

Designed to assess the ability to detect Group B Streptococcus using routine molecular methods.

	Available Format(s)
Catalogue Number	QAB174200_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Streptococcus agalactiae

Matrix – Plasma, Synthetic CSF and/or Transport Medium

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

HELICOBACTER PYLORI

H.PYLORI21

Designed to assess the qualitative detection of *H. pylori* and where appropriate, the identification of *H. pylori* antibiotic resistance status using routine molecular methods.

	Available Format(s)
Catalogue Number	QAB164190_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Helicobacter pylori

Matrix - Synthetic Faecal Matrix and/or Physiological Buffer

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen
Accreditation – ISO17043

LEGIONELLA PNEUMOPHILA

LPDNA21

Designed to evaluate the ability to detect Legionella pneumophila using molecular methods.

	Available Format(s)
Catalogue Number	QAB044122_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q1

Specifications

Target Pathogen – Legionella pneumophila

Matrix – Bronchoalveolar lavage (BAL) and/or Transport Medium

Sample Volume – 0.5 ml

Analysis Type - Qualitative

Format - Liquid frozen

METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA)

MRSADNA21

Designed to evaluate the ability to detect Methicillin Resistant Staphylococcus aureus using molecular methods.

	Available Format(s)
Catalogue Number	QAB064124_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Methicillin Resistant Staphylococcus aureus (MRSA)

Matrix - Microbiological Medium and/or Transport Medium

Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid ready-to-use Accreditation – ISO17043

METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA) - TYPING

(epidemiology and outbreak studies)

MRSATP21

Designed to evaluate the ability to use molecular typing for outbreak analysis of Methicillin Resistant Staphylococcus aureus (MRSA).

	Available Format(s)
Catalogue Number	QAB074128_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen - Methicillin Resistant Staphylococcus aureus (MRSA)

Matrix - Microbiological Medium and/or Transport Medium

Sample Volume – 0.2 ml

Analysis Type – Molecular typing

Format - Liquid ready-to-use

MYCOBACTERIUM TUBERCULOSIS (MTB)

MTBDNA21

Designed to evaluate the ability to detect Mycobacterium tuberculosis using molecular methods.

	Available Format(s)	
Catalogue Number	QAB014129_1	QAB014129_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen – Mycobacterium tuberculosis

Matrix – Sputum and/or Synthetic Sputum and/or Synthetic CSF

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid ready-to-use

Accreditation – ISO17043

MYCOBACTERIUM TUBERCULOSIS DRUG RESISTANCE

MTBDR21

Designed to evaluate the ability to detect and differentiate Mycobacterium tuberculosis drug resistant strains using routine molecular methods.

	Available Format(s)
Catalogue Number	QAB194209_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Mycobacterium tuberculosis

NA Target Source – Cultured and/or Clinical material

Matrix – Sputum and/or Synthetic Sputum and/or Synthetic CSF

Sample Volume – 1.0 ml

Analysis Type – Molecular typing

Format – Liquid ready-to-use

Accreditation – ISO17043

MYCOPLASMA GENITALIUM

MG21

Designed to evaluate the ability to detect Mycoplasma genitalium using routine molecular methods.

	Available Format(s)
Catalogue Number	QAB184205_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Mycoplasma genitalium

NA Target Source – Cultured and/or Clinical material

Matrix – Urine and/or Saline

Sample Volume – 4.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

MYCOPLASMA PNEUMONIAE

MP21

Designed to evaluate the ability to detect Mycoplasma pneumoniae using molecular methods.

	Available Format(s)
Catalogue Number	QAB174192_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Mycoplasma pneumoniae

Matrix – Bronchoalveolar lavage (BAL) and/or Transport Medium

Sample Volume – 0.5 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

MYCOPLASMA SPP. (CELL CONTAMINATION)

MYCO21

Designed to evaluate the ability to detect and quantitate Mycoplasma species using molecular methods.

	Available Format(s)
Catalogue Number	QAB144168_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Mycoplasma species
Matrix – Physiological Buffer
Sample Volume – 1.0 ml
Analysis Type – Qualitative & Quantitative
Format – Liquid frozen
Accreditation – ISO 17043

NEISSERIA GONORRHOEAE

NgDNA21

Designed to evaluate the ability to detect *Neisseria gonorrhoeae* using molecular technologies.

	Available Format(s)	
Catalogue Number	QAB034126_1	QAB034126_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Neisseria gonorrhoeae
Matrix – Urine and/or Physiological Buffer
Sample Volume – 4.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

STAPHYLOCOCCUS AUREUS SPA

SASPA21

Designed to evaluate the ability to use molecular typing as a technique for identifying *Staphylococcus aureus*.

	Available Format(s)
Catalogue Number	QAB134164_1
Total Number of Challenges	1
Number of Samples	6
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Staphylococcus aureus

Matrix – Microbiological Medium and/or Transport Medium

Sample Volume – 0.2 ml

Analysis Type – Molecular typing

Format – Liquid ready-to-use

Accreditation – ISO17043

SYPHILIS

SYPH21

Designed to evaluate the ability to detect *Treponema pallidum* using molecular methods.

	Available Format(s)
Catalogue Number	QAB154180_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Treponema pallidum

Matrix – Urine and/or Physiological Buffer

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

VANCOMYCIN RESISTANT ENTEROCOCCI (VRE)

VRE21

Designed to evaluate the ability to detect and determine different VRE in clinically relevant sample types using molecular methods.

	Available Format(s)
Catalogue Number	QAB134163_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Vancomycin Resistant Enterococci
Matrix – Microbiological medium and/or Transport Medium
Sample Volume – 0.5 ml
Analysis Type – Molecular typing
Format – Liquid frozen
Accreditation – ISO17043

FUNGAL EQA PROGRAMMES

ASPERGILLUS SPP.

ASPDNA21

Designed to evaluate the ability to detect Aspergillus species using molecular methods.

	Available Format(s)
Catalogue Number	QAF104140_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Aspergillus species

Matrix – Plasma and/or Physiological Buffer and/or Synthetic Sputum

Sample Volume – 1.0 ml

Analysis Type – Qualitative. Quantitative for information purposes only

Format – Liquid frozen

Accreditation – ISO17043

CANDIDA SPP.

CANDNA21

Designed to evaluate the ability to detect Candida species using molecular methods.

	Available Format(s)
Catalogue Number	QAF124151_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Candida species

Matrix – Plasma and/or Physiological Buffer

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

DERMATOPHYTOSIS

DERMA21

Designed to evaluate the ability to detect *dermatophytes* using routine molecular methods.

	Available Format(s)
Catalogue Number	QAF164187_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Dermatophytes
Matrix – Physiological Buffer
Sample Volume – 1.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

PNEUMOCYSTIS JIROVECII PNEUMONIA (PCP)

PCPDNA21

Designed to evaluate the ability to detect *Pneumocystis jirovecii* using molecular methods.

	Available Format(s)
Catalogue Number	QAF114144_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Pneumocystis jirovecii
Matrix – Physiological Buffer
Sample Volume – 1.0 ml
Analysis Type – Qualitative and Quantitative
Format – Liquid frozen
Accreditation – ISO 17043

TRICHOMONAS VAGINALIS

TV21

Designed to evaluate the ability to detect *Trichomonas vaginalis* using routine molecular methods.

	Available Format(s)
Catalogue Number	QAP184202_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Trichomonas vaginalis

NA Target Source – Cultured and/or Clinical material

Matrix – Transport Medium, Urine and/or Physiological Buffer

Sample Volume – 4.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

TOXOPLASMA GONDII

TGDNA21

Designed to evaluate the ability to detect Toxoplasma gondii using molecular methods.

	Available Format(s)	
Catalogue Number	QAP044123_1	QAP044123_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen – Toxoplasma gondii Matrix – Amniotic Fluid and/or Plasma Sample Volume – 2.0 ml Analysis Type – Qualitative Format – Lyophilised Accreditation – ISO17043

MULTI-PATHOGEN/SYNDROMIC PROGRAMMES

ARTHROPOD-BORNE VIRUSES

ARBO21

Designed to evaluate the ability to detect different Arthropod-borne viruses (including viruses from Flavi-, Toga-, Bunya-, and/or Reoviridae families) using routine molecular methods. The panel is designed to represent various clinical scenarios and may include medically important arboviruses such as Tick-borne encephalitis viruses, sandfly fever viruses, Japanese encephalitis viruses, rift valley fever viruses, Usutu virus, Murray Valley encephalitis virus and St. Louis encephalitis virus.

	Available Format(s)
Catalogue Number	QAM194206_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Tick-borne encephalitis viruses, sandfly fever viruses, Japanese encephalitis viruses, rift valley fever viruses, Usutu virus, Murray Valley encephalitis virus and St. Louis encephalitis virus

NA Target Source - Cultured and/or Clinical material

Matrix – Transport Medium

Sample Volume – 1 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

BACTERIAL GASTROENTERITIS

GastroB21

Designed to evaluate the ability to detect a range of bacterial pathogens known to cause gastroenteritis using routine molecular diagnostic platforms and procedures. The panel members will resemble clinical samples and may include current clinically relevant strains of Salmonella, Shigella, Yersinia, E.coli 0157, C. difficile or Campylobacter species.

	Available Format(s)	
Catalogue Number	QAB124153_1	QAB124153_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 & Q4

Specifications

Target Pathogen – Salmonella, Shigella, Yersinia, E.coli 0157, C. difficile or Campylobacter species **Matrix –** Synthetic Faecal Matrix and/or Physiological Buffer

Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO 17043

CENTRAL NERVOUS SYSTEM I (VIRAL MENINGITIS AND ENCEPHALITIS)

CNSI21

Designed to evaluate the ability to detect and determine various enterovirus, parechovirus, Herpes simplex virus 1/2, Varicella-Zoster virus and JC virus strains using routine molecular methods. The panel is designed to represent various clinical scenarios.

	Available Format(s)	
Catalogue Number	QAV174195_1	QAV174195_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 & Q4

Specifications

Target Pathogen - Various enterovirus, parechovirus, HSV1, HSV2, VZV and JCV

NA Target Source – Cultured and/or Clinical material

Matrix – Transport Medium

Sample Volume - 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen
Accreditation – ISO17043

CENTRAL NERVOUS SYSTEM II (NON-VIRAL MENINGITIS AND ENCEPHALITIS)

CNSII21

Designed to evaluate the ability to detect and determine various Listeria spp., Neisseria meningitidis, Streptococcus pneumoniae, Streptococcus agalactiae, Escherichia coli K1, Aspergillus spp., Haemophilus influenzae and Cryptococcus spp. strains using routine molecular methods. The panel is designed to represent various clinical scenarios.

	Available Format(s)	
Catalogue Number	QAM174196_1	QAM174196_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 & Q4

Specifications

Target Pathogen – Various Listeria spp., Neisseria meningitidis, Streptococcus pneumoniae, Streptococcus agalactiae, E coli K1, Aspergillus spp., Haemophilus influenzae or Cryptococcus spp. strains

NA Target Source – Cultured and/or Clinical material

Matrix - Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen

Accreditation - ISO17043

MALDI-TOF

MALDI21

Designed to evaluate the ability to detect and determine different clinically relevant isolates using MALDI-TOF and other similar mass spectrometry based technologies in the routine microbiology laboratory.

	Available Format(s)
Catalogue Number	QAB124155_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Clinically relevant isolates

Matrix - Microbiological Medium

Sample Volume – 0.5 ml

Analysis Type – Typing

Format - Liquid frozen

PARASITIC GASTROENTERITIS

GastroP21

Designed to evaluate the ability to detect a range of parasitic pathogens known to cause gastroenteritis using routine molecular methods. The panel members will resemble clinical samples and may include current clinically relevant strains of Giardia, Cryptosporidium, Entamoeba, Dientamoeba and Blastocystis.

	Available Format(s)	
Catalogue Number	QAP124154_1	QAP124154_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 & Q4

Specifications

Target Pathogen – Giardia, Cryptosporidium, Entamoeba, Dientamoeba and Blastocystis **Matrix –** Synthetic Faecal Matrix and/or Physiological Buffer

Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO17043

RESPIRATORY I

RESPI21

Designed to evaluate the ability to detect and deter mine various Influenza A & B and Respiratory syncytial virus strains. The panel is designed to represent various clinical scenarios.

	Available Format(s)	
Catalogue Number	QAV164188_1	QAV164188_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 & Q3

Specifications

Target Pathogen – Influenza A; Influenza B; Respiratory syncytial virus (RSV)

Matrix – Transport Medium

Sample Volume - 1.0 ml

Analysis Type – Qualitative

Format - Liquid frozen

RESPIRATORY II

RESPII21

Designed to evaluate the ability to detect and determine human metapneumovirus, respiratory adenoviruses, rhinoviruses, coronaviruses, enterovirus and parainfluenza viruses. The panel is designed to represent various clinical scenarios.

	Available Format(s)	
Catalogue Number	QAV164189_1	QAV164189_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 & Q3

Specifications

Target Pathogen – Human metapneumovirus; respiratory adenoviruses; rhinoviruses;

coronaviruses; enterovirus; parainfluenza viruses

Matrix – Transport Medium Sample Volume - 1.0 ml

Analysis Type - Qualitative

Format – Liquid frozen

Accreditation - ISO17043

RESPIRATORY III

RESPIII21

Designed to evaluate the ability to detect and determine various Bordetella pertussis, Legionella pneumoniae, Mycoplasma pneumoniae, Streptococcus pneumoniae or Haemophilus influenzae strains using molecular methods. The panel is designed to represent various clinical scenarios.

	Available Format(s)	
Catalogue Number	QAM174193_1	QAM174193_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 & Q3

Specifications

Target Pathogen – Bordetella pertussis, Legionella pneumoniae, Mycoplasma pneumoniae, Streptococcus pneumoniae or Haemophilus influenzae strains.

Matrix - Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative

Format - Liquid frozen

SEPSIS

SEPSIS21

Designed to evaluate a range of pathogens associated with sepsis such as Staphylococcus, Serratia, Escherichia coli, Enterococcus, Streptococcus, Klebsiella, coagulase-negative Staphylococcus, Pseudomonas and Candida spp. using molecular methods.

	Available Format(s)
Catalogue Number	QAB164178_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Staphylococcus, Serratia, Escherichia coli, Enterococcus, Streptococcus, Klebsiella, coagulase-negative Staphylococcus, Pseudomonas and Candida spp.

Matrix - Whole Blood and/or Plasma and/or Transport Medium

Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO 17043

SEXUALLY TRANSMITTED INFECTIONS I

STI 121

Designed to evaluate the ability to detect a range of sexually transmitted infections known to cause disease using routine molecular methods. The panel members will resemble clinical samples and may include current clinically relevant strains of Mycoplasma genitalium, Mycoplasma hominis, Trichomonas vaginalis, Ureaplasma urealyticum and Gardnerella vaginalis.

	Available Format(s)	
Catalogue Number	QAB154177_1	QAB154177_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 & Q3

Specifications

Target Pathogen – Mycoplasma genitalium, Mycoplasma hominis, Trichomonas vaginalis, Ureaplasma urealyticum and Gardnerella vaginalis

Matrix – Urine and/or Physiological Buffer

Sample Volume – 4.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO 17043

SEXUALLY TRANSMITTED INFECTIONS II

STI II21

Designed to evaluate the ability to detect a range of sexually transmitted infections known to cause disease using routine molecular methods. The panel members will resemble clinical samples and may include current clinically relevant strains of *Chlamydia trachomatis*, *Niesseria gonorrhoea*, *Treponema pallidum* and Herpes Simplex Virus (HSV) strains.

	Available Format(s)	
Catalogue Number	QAM174201_1	QAM174201_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 & Q3

Specifications

Target Pathogen – Chlamydia trachomatis, Niesseria gonorrhoea, Treponema pallidum and HSV **Matrix –** Urine and/or Physiological Buffer

Sample Volume – 4.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO 17043

TRANSPLANTATION (VIRAL)

TRANS21

Designed to evaluate the ability to detect and determine various cytomegalovirus, Epstein-Barr virus, Human herpes virus 6, BK virus, B19 virus and adenovirus strains. The panel is designed to represent various clinical scenarios. Participating laboratories will be expected to test each panel using their appropriate molecular methods and to report their individual test results to QCMD.

	Available Format(s)	
Catalogue Number	QAM174198_1	QAM174198_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 & Q4

Specifications

Target Pathogen – Various EBV, HHV6, BKV, B19 and ADV

NA Target Source – Cultured and/or Clinical material

Matrix - Plasma and/or Transport Medium

Sample Volume - 1.0 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen
Accreditation – ISO17043

VIRAL GASTROENTERITIS

GastroV21

Designed to evaluate the ability to detect a range of viral pat hogens known to cause gastroenteritis using routine molecular methods. The panel members will resemble clinical samples and may include current clinically relevant strains of norovirus, rotavirus, astrovirus, sapovirus and adenovirus.

	Available Format(s)	
Catalogue Number	QAV124152_1	QAV124152_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 & Q4

Specifications

Target Pathogen – norovirus, rotavirus, astrovirus, sapovirus and adenovirus

Matrix – Synthetic Faecal Matrix and/or Physiological Buffer

Sample Volume – 1.0 ml

Analysis Type - Qualitative

Format - Liquid frozen

Accreditation - ISO17043

VIRAL EQA PROGRAMMES

ADENOVIRUS (ADV)

ADVDNA21

Designed to evaluate the ability to detect Adenovirus using molecular methods.

	Available Format(s)	
Catalogue Number	QAV054133_1	QAV054133_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen – Adenovirus

Matrix - Transport Medium and/or Plasma

Sample Volume – 1.0 ml

Analysis Type - Qualitative & Quantitative

Format - Liquid frozen

B19 VIRUS

B19DNA21

Designed to evaluate the ability to detect and quantitatate B19 virus using molecular methods.

	Available Format(s)	
Catalogue Number	QAV034116_1	QAV034116_2
Total Number of Challenges	1	2
Number of Samples	8	4
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen - B19 virus

Matrix - Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume - 1.2 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen

Accreditation - ISO17043

BK VIRUS (BKV)

BKDNA21

Designed to evaluate the ability to detect and quantitatate various types of BK virus (BKV) and ensure the reliable quantification of BKV viral load using molecular methods.

	Available Format(s)	
Catalogue Number	QAV144166_1	QAV144166_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen – BK virus

Matrix - Transport Medium and/or Plasma and/or Urine

Units of Measurement – The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.0 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen

CHIKUNGUNYA VIRUS (CHIKV)

CHIKV21

Designed to evaluate the ability to detect chikungunya virus using molecular methods.

	Available Format(s)
Catalogue Number	QAV154175_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Chikungunya virus

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised
Accreditation – ISO17043

CORONAVIRUS (CoV)

CVRNA21

Designed to evaluate the ability to detect coronavirus and different coronavirus genotypes using molecular methods.

	Available Format(s)
Catalogue Number	QAV064137_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Coronavirus **Matrix –** Transport Medium

Sample Volume - 1.0 ml

Analysis Type – Qualitative

Format - Liquid frozen

CYTOMEGALOVIRUS (CMV)

CMVDNA21

Designed to evaluate the ability to detect and quantitate human cytomegalovirus (CMV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV014120_1	QAV014120_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen - Cytomegalovirus (CMV)

Matrix - Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume - 1.0 ml

Analysis Type - Qualitative & Quantitative

Format - Liquid frozen

Accreditation - ISO17043

CYTOMEGALOVIRUS (CMV) DRIED BLOOD SPOTS

CMVDBS21

Designed to evaluate the ability to detect human cytomegalovirus (CMV) from dried blood spots using molecular methods.

	Available Format(s)
Catalogue Number	QAV064127_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen - Cytomegalovirus (CMV)

Matrix - Dried Blood Spots

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – $2 \times 50 \mu l$

Analysis Type - Qualitative. Quantitative for information purposes only

Format - Dried blood spot

CYTOMEGALOVIRUS (CMV) DRUG RESISTANCE

CMVDR21

Designed to evaluate the ability to detect CMV drug resistant mutations in the kinase UL97 and polymerase UL54 genes using molecular sequencing techniques.

	Available Format(s)
Catalogue Number	QAV144169_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q2

Specifications

Target Pathogen - Cytomegalovirus (CMV) Drug Resistance

Matrix - Plasma and/or Physiological Buffer

Sample Volume – 1.0 ml

Analysis Type - Sequence analysis

Format - Liquid frozen

Accreditation - ISO17043

CYTOMEGALOVIRUS (CMV) WHOLE BLOOD

CMVWB21

Designed to evaluate the ability to detect and quantitatate CMV from whole blood samples using molecular methods.

	Available Format(s)	
Catalogue Number	QAV124150_1	QAV124150_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen - Cytomegalovirus (CMV)

Matrix - Whole Blood

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.0 ml

Analysis Type - Qualitative & Quantitative

Format - Liquid frozen

DENGUE VIRUS (DENV)

DENVRNA21

Designed to evaluate the ability to detect Dengue virus and ability to distinguish dengue virus from other flaviviruses using molecular methods.

	Available Format(s)
Catalogue Number	QAV114148_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Dengue virus (DENV)

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised
Accreditation – ISO17043

ENTEROVIRUS (EV)

EVRNA21

Designed to evaluate the ability to detect and quantitate different types of enterovirus (EV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV984104_1	QAV984104_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Enterovirus (EV)

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen

ENTEROVIRUS TYPING (EV)

EVTP21

Designed to evaluate the ability to correctly identify specific enterovirus (EV) types using routine molecular method and procedures.

	Available Format(s)
Catalogue Number	QAV164185_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q1

Specifications

Target Pathogen – Enterovirus (EV)
Matrix – Transport Medium
Sample Volume – 1.0 ml
Analysis Type – Molecular typing
Format – Liquid frozen
Accreditation – ISO17043

EPSTEIN-BARR VIRUS (EBV)

EBVDNA21

Designed to evaluate the ability to detect and quantitatate Epstein-Barr virus (EBV) in plasma samples using molecular methods.

	Available Format(s)	
Catalogue Number	QAV024121_1	QAV024121_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen – Epstein-Barr virus (EBV)

Matrix - Transport Medium and/or Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.0 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen
Accreditation – ISO17043

EPSTEIN-BARR VIRUS (EBV) WHOLE BLOOD

EBVWB21

Designed to evaluate the ability to detect and quantitatate Epstein-Barr virus (EBV) in whole blood samples using molecular methods.

	Available Format(s)	
Catalogue Number	QAV134161_1	QAV134161_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen – Epstein-Barr virus (EBV)

Matrix - Whole Blood

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.0 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen
Accreditation – ISO17043

HEPATITIS A VIRUS (HAV)

HAVRNA21

Designed to evaluate the ability to detect Hepatitis A virus (HAV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV124156_1	QAV124156_2
Total Number of Challenges	1	2
Number of Samples	8	4
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Hepatitis A virus (HAV)

Matrix – Plasma

Sample Volume – 1.2 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen
Accreditation – ISO17043

HEPATITIS B VIRUS (HBV)

HBVDNA21

Designed to evaluate the ability to detect and quantitate Hepatitis B virus (HBV) and different HBV genotypes using molecular methods.

	Available Format(s)		
Catalogue Number	QAV994110_1	QAV994110_2	QAV994110_4
Total Number of Challenges	1	2	4
Number of Samples	8	4	4
Distribution / Testing Period	Q3	Q1 and Q3	Q1, Q2, Q3 and Q4

Specifications

Target Pathogen – Hepatitis B virus (HBV)

Matrix - Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume - 1.2 ml

Analysis Type - Qualitative & Quantitative

Format - Liquid frozen

Accreditation - ISO17043

HEPATITIS B VIRUS (HBV) DRUG RESISTANCE

HBVDR21

Designed to evaluate the ability to detect drug resistant mutations in the Hepatitis B virus (HBV) DNA polymerase gene using sequencing techniques and/or LiPA technology.

	Available Format(s)
Catalogue Number	QAV124160_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Hepatitis B virus (HBV) Drug Resistance Mutations

Matrix – Plasma

Sample Volume – 1.0 ml

Analysis Type - Sequence Analysis

Format - Liquid frozen

HEPATITIS B VIRUS (HBV) GENOTYPING

HBVGT21

Designed to evaluate the ability to correctly identify Hepatitis B virus (HBV) genotypes using molecular methods.

	Available Format(s)
Catalogue Number	QAV064118_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q1

Specifications

Target Pathogen – Hepatitis B virus (HBV) Genotyping
Matrix – Plasma
Sample Volume – 1.2 ml
Analysis Type – Molecular typing
Format – Liquid frozen
Accreditation – ISO17043

HEPATITIS C VIRUS (HCV)

HCVRNA21

Designed to evaluate the ability to detect and quantitate Hepatitis C virus (HCV) RNA and different HCV genotypes using molecular methods.

	Available Format(s)	
Catalogue Number	QAV994112_1	QAV994112_2	QAV994112_4
Total Number of Challenges	1	2	4
Number of Samples	8	4	4
Distribution / Testing Period	Q3	Q1 and Q3	Q1, Q2, Q3 and Q4

Specifications

Target Pathogen – Hepatitis C virus (HCV)

Matrix - Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.2 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen
Accreditation – ISO17043

HEPATITIS C VIRUS (HCV) DRUG RESISTANCE

HCVDR21

Designed to evaluate the ability to detect drug resistant mutations in the Hepatitis C virus (HCV) genotypes 1 and 3 (NS3 and NS5a regions) using sequencing techniques.

	Available Format(s)
Catalogue Number	QAV134167_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Hepatitis C virus (HCV) Drug Resistance Mutations
Matrix – Plasma
Sample Volume – 1.0 ml
Analysis Type – Sequence Analysis
Format – Liquid frozen
Accreditation – ISO17043

HEPATITIS C VIRUS (HCV) GENOTYPING

HCVGT21

Designed to evaluate the ability to correctly genotype Hepatitis C virus (HCV) RNA using molecular methods.

	Available Format(s)
Catalogue Number	QAV034117_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q1

Specifications

Target Pathogen – Hepatitis C virus (HCV)
Matrix – Plasma
Sample Volume – 1.2 ml
Analysis Type – Molecular typing
Format – Liquid frozen
Accreditation – ISO17043

HEPATITIS D VIRUS (HDV)

HDV21

Designed to evaluate the ability to detect Hepatitis D virus (HDV) using molecular methods.

	Available Format(s)
Catalogue Number	QAV144170_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Hepatitis D virus (HDV)

Matrix – Plasma

Sample Volume – 1.2 ml

Analysis Type – Qualitative & Quantitative

Format – Liquid frozen

Accreditation – ISO 17043

HEPATITIS E VIRUS (HEV)

HEVRNA21

Designed to evaluate the ability to detect Hepatitis E virus (HEV) using molecular methods.

	Available Format(s)
Catalogue Number	QAV124157_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Hepatitis E virus (HEV)
Matrix – Plasma
Sample Volume – 0.6 ml
Analysis Type – Qualitative & Quantitative
Format – Liquid frozen
Accreditation – ISO17043

HERPES SIMPLEX VIRUS 1 & 2 (HSV)

HSVDNA21

Designed to evaluate the ability to detect different types and concentrations of herpes simplex virus (HSV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV994105_1	QAV994105_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Herpes simplex virus 1 & 2 (HSV)

Matrix - Transport Medium and/or Synthetic CSF

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen
Accreditation – ISO17043

HERPES SIMPLEX VIRUS DRUG RESISTANCE

HSVDR21

Designed to evaluate the ability to detect HSV drug resistance mutations in the HSV thymidine kinase (UL23) and DNA polymerase (UL30) genes using routine molecular methods.

	Available Format(s)
Catalogue Number	QAV164184_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q1

Specifications

Target Pathogen – HSV drug resistance mutations

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type – Sequence Analysis

Format - Liquid frozen

HUMAN HERPES VIRUS 6 (HHV6)

HHV6DNA21

Designed to evaluate the ability to detect various types of Human herpes virus 6 (HHV6) and quantitate HHV6 viral load using molecular methods.

	Available Format(s)	
Catalogue Number	QAV084119_1	QAV084119_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen – Human herpes virus 6 (HHV6)

Matrix - Transport Medium and/or Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume - 1.0 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen

Accreditation - ISO17043

HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) - DNA

HIVDNA21

Designed to evaluate the ability to detect Human Immunodeficiency virus type 1 (HIV-1) pro-viral DNA using molecular methods.

	Available Format(s)	
Catalogue Number	QAV034114_1	QAV034114_2
Total Number of Challenges	1	2
Number of Samples	8	4
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen - Human Immunodeficiency virus type 1 (HIV-1) - DNA

Matrix - Physiological Buffer

Sample Volume – 0.1 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format - Liquid frozen

HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) - DRUG RESISTANCE

HIVDR21

Designed to evaluate the ability to detect drug resistant mutations in the HIV-1 protease and reverse transcriptase genes using molecular sequencing techniques.

	Available Format(s)
Catalogue Number	QAV024131_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q3

Specifications

Target Pathogen – Human Immunodeficiency virus type 1 (HIV-1) – Drug Resistance Mutations **Matrix** – Plasma

Sample Volume - 1.0 ml

Analysis Type - Sequence Analysis

Format - Liquid frozen

Accreditation - ISO17043

HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) – DRUG RESISTANCE (INTEGRASE)

HIVDRint21

Designed to evaluate the ability to detect drug resistant mutations in the HIV-1 integrase gene using molecular sequencing techniques.

	Available Format(s)
Catalogue Number	QAV114146_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q3

Specifications

Target Pathogen - Human Immunodeficiency virus type 1 (HIV-1) - Drug Resistance (Integrase) Mutations

Matrix - Plasma

Sample Volume – 1.0 ml

Analysis Type – Sequence Analysis

Format - Liquid frozen

HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1) - RNA

HIVRNA21

Designed to evaluate the ability to detect and quantitate human immunodeficiency virus (HIV) RNA and different HIV genotypes using molecular methods.

	Available Format(s	s)	
Catalogue Number	QAV994108_1	QAV994108_2	QAV994108_4
Total Number of Challenges	1	2	4
Number of Samples	8	4	4
Distribution / Testing Period	Q3	Q1 and Q3	Q1, Q2, Q3 and Q4

Specifications

Target Pathogen – Human Immunodeficiency virus type 1 (HIV-1) – RNA

Matrix - Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.2 ml

Analysis Type – Qualitative & Quantitative

Format – Liquid frozen
Accreditation – ISO17043

HUMAN METAPNEUMOVIRUS (MPV)

MPV21

Designed to evaluate the ability to detect human metapneumovirus (MPV) and different human MPV types using molecular methods.

	Available Format(s)
Catalogue Number	QAV054135_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Human metapneumovirus (MPV)

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative

Format - Liquid frozen

HUMAN PAPILLOMAVIRUS (HPV) - PreservCyt

HPVPRES21

Designed to evaluate the ability to detect different high risk Human Papillomavirus (HPV) types within a PreservCyt® matrix using molecular methods.

	Available Format(s)	
Catalogue Number	QAV094130_1	QAV094130_2
Total Number of Challenges	1	2
Number of Samples	12	6
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen - Human Papillomavirus (HPV) - PreservCyt®

Matrix - Transport Medium (PreservCyt®)

Sample Volume – 4.0 ml Analysis Type – Qualitative Format – Liquid ready-to-use Accreditation – ISO17043

HUMAN PAPILLOMAVIRUS (SUREPATH)

HPVSURE21

Designed to evaluate the ability to detect different high-risk Human Papillomavirus (HPV) types within a SurePath™ matrix using routine molecular methods.

	Available Format(s)
Catalogue Number	QAV184204_1
Total Number of Challenges	1
Number of Samples	12
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Human papillomavirus

NA Target Source - Clinical material and/or cell lines containing HPV

Matrix - Transport Medium (SurePath)

Sample Volume – 2.0 ml Analysis Type – Qualitative

Format - Lyophilised

INFLUENZA A & B VIRUS (FLU)

INFRNA21

Designed to evaluate the ability to detect influenza virus RNA and distinguish Influenza virus types A and B using molecular methods.

	Available Format(s)	
Catalogue Number	QAV054134_1	QAV054134_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen – Influenza A & B virus
Matrix – Transport Medium
Sample Volume – 1.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

INFLUENZA TYPING

INFTP21

Designed to evaluate the ability to detect different influenza virus subtypes in addition to the typing and subtyping of influenza viruses using molecular methods.

	Available Format(s)
Catalogue Number	QAV064138_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Influenza Typing Matrix – Transport Medium Sample Volume – 1.0 ml Analysis Type – Molecular typing Format – Liquid frozen Accreditation – ISO17043

JC VIRUS (JCV)

JCDNA21

Designed to evaluate the ability to detect and quantitate various types of JC virus (JCV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV074106_1	QAV074106_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q2 and Q3

Specifications

Target Pathogen – JC virus (JCV)

Matrix - Transport Medium and/or Plasma

Units of Measurement - The primary unit is IU/ml however other units will be accepted

Sample Volume – 1.0 ml

Analysis Type - Qualitative & Quantitative

Format – Liquid frozen

Accreditation - ISO17043

MEASLES/MUMPS

MM21

Designed to evaluate the ability to detect mumps and/or measles using routine molecular methods.

	Available Format(s)
Catalogue Number	QAV144171_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen - Mumps and/or Measles

Matrix - Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative

Format - Liquid frozen

MERS CORONAVIRUS (MERS-CoV)

MERS21

Designed to evaluate the ability to detect and determine MERS-CoV from other coronaviruses.

	Available Format(s)
Catalogue Number	QAV154181_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q2

Specifications

Target Pathogen – MERS coronavirus (MERS-CoV)

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

NOROVIRUS (NV)

NVRNA21

Designed to evaluate the ability to detect norovirus and different norovirus (NV) genogroups using molecular methods.

	Available Format(s)	
Catalogue Number	QAV084139_1	QAV084139_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen – Norovirus (NV)

Matrix – Transport Medium and/or Physiological Buffer and/or Synthetic Faecal Matrix

Sample Volume - 1.0 ml VTM, 0.1ml Buffer

Analysis Type – Qualitative Format – Liquid frozen

PARAINFLUENZA VIRUS (PIV)

PINFRNA21

Designed to evaluate the ability to detect Parainfluenza virus and different Parainfluenza virus (PIV) types using molecular methods.

	Available Format(s)
Catalogue Number	QAV064136_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Parainfluenza virus (PIV)
Matrix – Transport Medium
Sample Volume – 1.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

PARECHOVIRUS (HPeV)

PeVRNA21

Designed to evaluate the ability to detect Parainfluenza virus and different Parainfluenza virus types using molecular methods.

	Available Format(s)	
Catalogue Number	QAV114145_1	QAV114145_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Parechovirus (HPeV)
Matrix – Transport Medium
Sample Volume – 1.0 ml
Analysis Type – Qualitative
Format – Liquid frozen
Accreditation – ISO17043

RESPIRATORY SYNCYTIAL VIRUS (RSV)

RSV21

Designed to evaluate the ability to detect different types of Respiratory syncytial virus (RSV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV054142_1	QAV054142_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q4	Q2 and Q4

Specifications

Target Pathogen – Respiratory syncytial virus (RSV) **Matrix –** Transport Medium **Sample Volume –** 1.0 ml

Analysis Type – Qualitative
Format – Liquid frozen

Accreditation - ISO17043

RHINOVIRUS (RV)

RVRNA21

Designed to evaluate the ability to detect rhinovirus and different rhinovirus (RV) genotypes using molecular methods.

	Available Format(s)
Catalogue Number	QAV064143_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q2

Specifications

Target Pathogen – Rhinovirus (RV)

Matrix – Transport Medium

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format - Liquid frozen

SARS-COV-2

SCV2 21

Designed to assess the proficiency of laboratories in the detection and differentiation of SARS-CoV-2 and different coronavirus genotypes.

	Available Form	at(s)		
Catalogue Number	QAV204215_1A	QAV204215_1B	QAV204215_1C	QAV204215_1D
Total Number of Challenges	1	1	1	1
Number of Samples	5	5	5	5
Distribution / Testing Period	Q1	Q2	Q3	Q4

Specifications

Target Pathogen – SARS-CoV-2 Matrix – Transport Medium Sample Volume – 1.0 ml Analysis Type – Qualitative Format – Liquid frozen Accreditation – ISO17043

TORQUE TENO VIRUS

TTV21

Designed to evaluate the ability to detect Torque teno virus (TTV) using routine molecular diagnostic platforms and procedures.

	Available Format(s)
Catalogue Number	QAV184203_1
Total Number of Challenges	1
Number of Samples	6
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Torque teno virus

NA Target Source – Cultured and/or Clinical material

Matrix – Transport Medium and/or Plasma

Sample Volume – 1.0 ml

Analysis Type – Qualitative

Format – Liquid frozen

Accreditation – ISO17043

VARICELLA-ZOSTER VIRUS (VZV)

VZVDNA21

Designed to evaluate the ability to detect different types and concentrations of Varicella-Zoster virus (VZV) using molecular methods.

	Available Format(s)	
Catalogue Number	QAV034103_1	QAV034103_2
Total Number of Challenges	1	2
Number of Samples	10	5
Distribution / Testing Period	Q3	Q1 and Q3

Specifications

Target Pathogen – Varicella-Zoster virus (VZV)

Matrix - Transport Medium and/or Synthetic CSF

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Liquid frozen
Accreditation – ISO17043

WEST NILE VIRUS (WNV)

WNVRNA21

Designed to evaluate the ability to detect West Nile virus and distinguish West Nile virus from other flaviviruses using molecular methods.

	Available Format(s)
Catalogue Number	QAV104141_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – West Nile virus (WNV)

Matrix - Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

YELLOW FEVER VIRUS

YFV21

Designed to evaluate the ability to detect Yellow fever virus and to distinguish Yellow fever virus from other flaviviruses using routine molecular methods.

	Available Format(s)
Catalogue Number	QAM194207_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen - Yellow fever virus

NA Target Source - Cultured and/or Clinical material

Matrix - Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

Accreditation - ISO17043

ZIKA VIRUS

ZIKA21

Designed to evaluate the ability to detect Zika virus and determine the proficiency of laboratories in distinguishing Zika virus from other flaviviruses.

	Available Format(s)
Catalogue Number	QAV164186_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Zika virus

Matrix - Transport Medium

Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

PILOT STUDIES

BABESIA

BABESIA21

Babesia is a tiny parasite that infects red blood cells. The parasitic infection is usually transmitted by a tick bite. Babesiosis often occurs at the same time as Lyme Disease. The tick that carries the Lyme bacteria can also be infected with the Babesia parasite. The QCMD pilot EQA scheme will assess the proficiency of laboratories in the correct detection and identification of Babesia species causing human babesiosis.

	Available Format(s)
Catalogue Number	QAP214219_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Babesia species

NA Target Source - Cultured and/or Clinical material

Matrix - Whole Blood

Sample Volume - 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

CHAGAS

CHAGAS21

Trypanosoma cruzi is the causative agent of Chagas disease. T. cruzi is endemic in Mexico and all countries in Central & South America. It is primarily transmitted by triatomine bugs, however, other transmission routes such as transplacental, blood transfusion, organ transplantation and contaminated food are known. The pilot EQA scheme will assess the proficiency of laboratories in the correct detection of Trypanosoma cruzi.

	Available Format(s)
Catalogue Number	QAP214217_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Trypanosoma cruzi

NA Target Source – Cultured and/or Clinical material

Matrix – Whole Blood

Sample Volume - 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

FRANCISELLA TULARENSIS

FRATUL21

Tularemia is a severe zoonosis that can affect humans as well as animals. The pathogen occurs in the northern hemisphere (in Europe, the number of human cases is approximately 800 annually, with Sweden and Finland reporting the highest notification rates). The pilot EQA scheme will assess the proficiency of laboratories in the correct detection of *Francisella tularensis*.

	Available Format(s)
Catalogue Number	QAB214220_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Francisella tularensis

NA Target Source - Cultured and/or Clinical material

Matrix - Transport Medium and/or Physiological Buffer

Sample Volume - 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format – Lyophilised

HEPATITIS B VIRUS (HBV) DRIED BLOOD SPOTS

HBVDBS21

The pilot EQA scheme is designed to assess the performance of laboratories in the detection of clinically relevant levels of hepatitis B virus (HBV) from dried blood spots.

	Available Format(s)
Catalogue Number	QAV214223_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Hepatitis B (HBV)

Matrix – Dried Blood Spots

Sample Volume – $2 \times 50 \mu l$

Analysis Type - Qualitative. Quantitative for information purposes only

Format - Dried blood spot

HEPATITIS C VIRUS (HCV) DRIED BLOOD SPOTS

HCVDBS21

The pilot EQA scheme is designed to assess the performance of laboratories in the detection of clinically relevant levels of hepatitis C virus (HCV) from dried blood spots.

	Available Format(s)
Catalogue Number	QAV214222_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Hepatitis C (HCV)

Matrix – Dried Blood Spots

Sample Volume – $2 \times 50 \mu l$

Analysis Type - Qualitative. Quantitative for information purposes only

Format - Dried blood spot

HUMAN IMMUNODEFICIENCY VIRUS (HIV) DRIED BLOOD SPOTS

HIVDBS21

The pilot EQA scheme is designed to assess the performance of laboratories in the detection of clinically relevant levels of human immunodeficiency virus (HIV) from dried blood spots.

	Available Format(s)
Catalogue Number	QAV214221_1
Total Number of Challenges	1
Number of Samples	8
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Human Immunodeficiency virus (HIV)

Matrix - Dried Blood Spots

Sample Volume – 2 x 50µl

Analysis Type - Qualitative. Quantitative for information purposes only

Format - Dried blood spot

HUMAN IMMUNODEFICIENCY VIRUS TYPE 2 (HIV-2)

HIV2 21

This pilot study assesses the proficiency of laboratories in detection and quantitation of human immunodeficiency virus type 2 (HIV-2).

	Available Format(s)	
Catalogue Number	QAV204212_1	QAV204212_2
Total Number of Challenges	1	2
Number of Samples	8	4
Distribution / Testing Period	Q3	Q1 & Q3

Specifications

Target Pathogen – Human Immunodeficiency virus (type 2)

NA Target Source – Cultured and/or Clinical material

Matrix – Plasma

Sample Volume – 1.2ml

Analysis Type – Qualitative & Quantitative **Format –** Liquid frozen

MALARIA

MALARIA21

Malaria occurs primarily in tropical and less frequently in subtropical areas. While P. falciparum dominates throughout Africa, P. vivax is the second most prevalent malaria species in most of Latin American and Asian malaria areas. The range of P. ovale is mainly restricted to West African regions while P. malariae is found worldwide, but at a lower incidence compared to the other species. The pilot EQA scheme will assess the proficiency of laboratories in the correct detection and identification of Plasmodium species causing human malaria.

	Available Format(s)
Catalogue Number	QAP214218_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Plasmodium species

NA Target Source - Cultured and/or Clinical material

Matrix – Whole Blood Sample Volume – 1.0 ml

Analysis Type - Qualitative. Quantitative for information purposes only

Format - Lyophilised

RESPIRATORY I PLUS

RESPIplus21

The Respiratory I Plus EQA will focus on the molecular detection and determination of various influenza A and B, respiratory syncytial virus strains and SARS-CoV-2. The panel is designed to represent various clinical senarios. Participating laboratories will be expected to test each panel using their appropriate molecular methods and report their individual test results to QCMD.

	Available Format(s)
Catalogue Number	QAM204216_1
Total Number of Challenges	1
Number of Samples	10
Distribution / Testing Period	Q3

Specifications

Target Pathogen – SARS-CoV-2, Influenza A; Influenza B; Respiratory syncytial virus (RSV)
 NA Target Source – Cultured and/or Clinical material
 Matrix – Transport Medium

Sample Volume – 1.0ml
Analysis Type – Qualitative
Format – Liquid frozen

VIRAL METAGENOMICS NGS

NGSmeta_21

This EQA pilot study aims to assess performance of existing metagenomics protocols as currently implemented by participating laboratories. Samples will be provided which will mimic cerebrospinal fluid samples containing known viral pathogens including enterovirus, herpes simplex virus and influenza virus. Performance will be assessed based on the qualitative identification of viruses present in the samples, at the family, genus, species and subtype levels.

	Available Format(s)
Catalogue Number	QAV204213_1
Total Number of Challenges	1
Number of Samples	5
Distribution / Testing Period	Q4

Specifications

Target Pathogen – Enterovirus, herpes simplex virus and influenza virus.

NA Target Source – Cultured material

Matrix - Synthetic CSF + human cell lines

Sample Volume – 1.0ml

Analysis Type – Sequence Analysis

Format - Liquid frozen

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PILOT STUDIES

Human Immunodeficiency virus type 2 (HIV-2)

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APPENDIX

TARGET PATH	OGEN						PAGE NUMBER
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Adenovirus (A	AVD)						Pg 26
ADVDNA21	QAV054133_1 QAV054133_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Arthropod-bo	rne viruses						Pg 19
ARBO21	QAM194206_1	1	10	Q4	Ambient	Qualitative	Multi-Pathogen / Syndromic EQA
Aspergillus sp	p.						Pg 16
ASPDNA21	QAF104140_1	1	8	Q3	Dry-ice	Qualitative	Fungal EQA
Atypical myc	obacterium						Pg 04
NTM21	QAB194208_1	1	10	Q2	Ambient	Qualitative	Bacterial EQA
B19 virus							Pg 27
B19DNA21	QAV034116_1 QAV034116_2	1 2	8 4	Q3 Q1, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Babesia							Pg 51
BABESIA21	QAP214219_1	1	10	Q4	Ambient	Qualitative	Pilot Study
Bacterial 16S	Ribosomal RNA						Pg 04
B16SrRNA21	QAB164183_1	1	8	Q4	Dry-ice	Typing	Bacterial EQA
Bacterial Gas	troenteritis						Pg 20
GastroB21	QAB124153_1 QAB124153_2	1 2	10 5	Q4 Q2 & Q4	Dry-ice	Qualitative	Multi-Pathogen , Syndromic EQA
BK virus (BKV))						Pg 27
BKDNA21	QAV144166_1 QAV144166_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Bordetella pe	rtussis						Pg 05
BPDNA21	QAB094132_1	1	10	Q2	Dry-ice	Qualitative	Bacterial EQA
Borrelia burgo	dorferi spp. (Lyme	e Disease)					Pg 05
BbDNA21	QAB114147_1	1	10	Q3	Dry-ice	Qualitative	Bacterial EQA
Candida spp.	,						Pg 17
CANDNA21	QAF124151_1	1	10	Q3	Dry-ice	Qualitative	Fungal EQA
Central Nerva	ous System I (Vira	I Meningitis a	nd Encephalitis)				Pg 20
CNSI21	QAV174195_1 QAV174195_2	1 2	10 5	Q4 Q2 & Q4	Dry-ice	Qualitative	Multi-Pathogen , Syndromic EQA
Central Nerva	ous System II (No	n-viral Mening	jitis and Encepha	alitis)			Pg 21
CNSII21	QAM174196_1 QAM174196_2	1 2	10 5	Q4 Q2 & Q4	Dry-ice	Qualitative	Multi-Pathogen , Syndromic EQA
Chagas							Pg 51
CHAGAS21	QAP214217_1	1	10	Q4	Ambient	Qualitative	Pilot Study
Chikungunya	virus (CHIKV)						Pg 28
CHIKV21	QAV154175_1	1	10	Q4	Ambient	Qualitative	Viral EQA
Chlamydia p	sittaci						Pg 06
CPS21	QAB134165_1	1	8	Q2	Dry-ice	Qualitative	Bacterial EQA

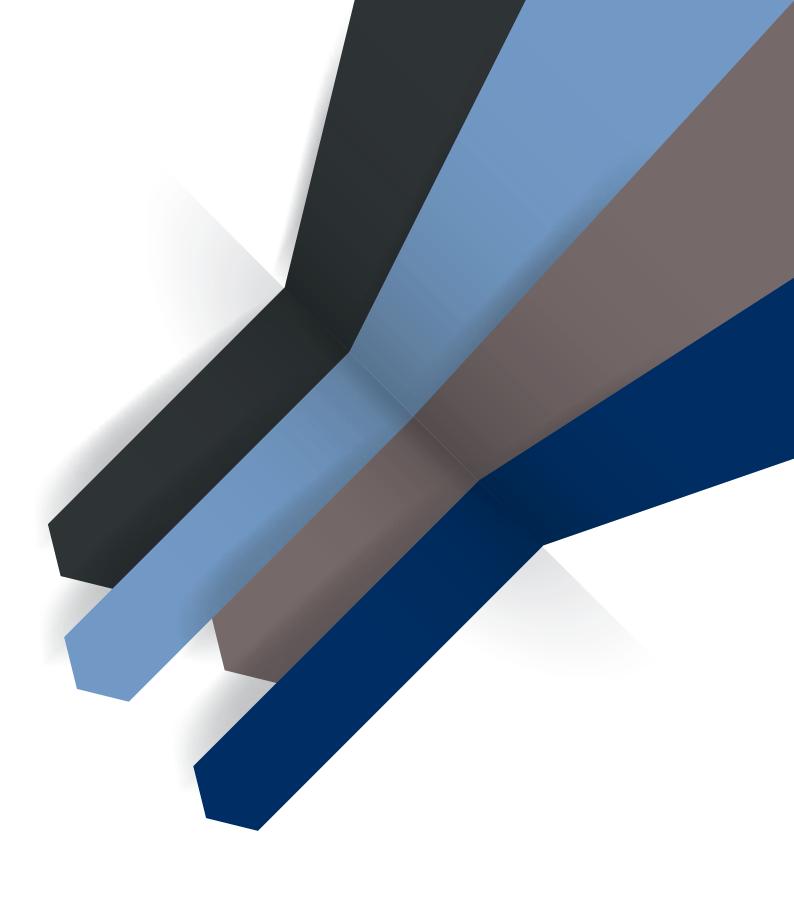
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Chlamydia tro	achomatis						Pg 06
CTDNA21	QAB004101_1 QAB004101_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Bacterial EQA
Chlamydia tro	achomatis and N	eisseria gonoi	rhoeae				Pg 07
CTNg21	QAB174191_1 QAB174191_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Bacterial EQA
Chlamydophi	ila pneumoniae						Pg 07
CP21	QAB084107_1	1	5	Q2	Dry-ice	Qualitative	Bacterial EQA
Clostridium di	ifficile (CD)						Pg 08
CDDNA21	QAB084125_1 QAB084125_2	1 2	10 5	Q4 Q2, Q4	Dry-ice	Qualitative	Bacterial EQA
Coronavirus (CoV)						Pg 28
CVRNA21	QAV064137_1	1	10	Q2	Dry-ice	Qualitative	Viral EQA
Cytomegalov	rirus (CMV)						Pg 29
CMVDNA21	QAV014120_1 QAV014120_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Cytomegalov	rirus (CMV) Dried	Blood Spots					Pg 29
CMVDBS21	QAV064127_1	1	8	Q4	Ambient	Qualitative	Viral EQA
Cytomegalov	rirus (CMV) Drug	Resistance					Pg 30
CMVDR21	QAV144169_1	1	5	Q2	Dry-ice	Drug Resistance / Sequencing	Viral EQA
Cytomegalov	rirus (CMV) Whole	e Blood					Pg 30
CMVWB21	QAV124150_1 QAV124150_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Dengue virus	(DENV)						Pg 31
DENVRNA21	QAV114148_1	1	10	Q4	Ambient	Qualitative	Viral EQA
Dermatophyto	osis						Pg 17
DERMA21	QAF164187_1	1	8	Q3	Dry-ice	Qualitative	Fungal EQA
Diarrheagenic	c Escherichia col	i					Pg 08
E.COLI21	QAB154179_1	1	8	Q4	Dry-ice	Typing	Bacterial EQA
Enterovirus (E)	V)						Pg 31
EVRNA21	QAV984104_1 QAV984104_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Viral EQA
Enterovirus Typ	ping (EV)						Pg 32
EVTP21	QAV164185_1	1	8	Q1	Dry-ice	Typing	Viral EQA
Epstein-Barr vi	irus (EBV)						Pg 32
EBVDNA21	QAV024121_1 QAV024121_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Epstein-Barr vi	irus (EBV) Whole	Blood					Pg 33
EBVWB21	QAV134161_1 QAV134161_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
		van and Carba	nonomaro				Pg 09
Extended Spe	ectrum B-lactamo	ise and Carbo	apenemuse				
Extended Spe	QAB134162_1		8	Q3	Dry-ice	Typing	Bacterial EQA
	QAB134162_1		<u>. </u>	Q3	Dry-ice	Typing	

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Group B Strep	otococcus						Pg 09
GBS21	QAB174200_1	1	8	Q4	Dry-ice	Qualitative	Bacterial EQA
Helicobacter	pylori						Pg 10
H.PYLORI21	QAB164190_1	1	10	Q3	Dry-ice	Qualitative	Bacterial EQA
Hepatitis A vii	rus (HAV)						Pg 33
HAVRNA21	QAV124156_1 QAV124156_2	1 2	8 4	Q3 Q1, Q3	Dry-ice	Qualitative	Viral EQA
Hepatitis B vir	rus (HBV)						Pg 34
HBVDNA21	QAV994110_1 QAV994110_2 QAV994110_4	1 2 4	8 4 4	Q3 Q1, Q3 Q1, Q2, Q3, Q4	Dry-ice	Qualitative & Quantitative	Viral EQA
Hepatitis B vir	rus (HBV) Dried Blo	ood Spots					Pg 52
HBVDBS21	QAV214223_1	1	8	Q4	Ambient	Qualitative	Pilot Study
Hepatitis B vir	rus (HBV) Drug Re	sistance					Pg 34
HBVDR21	QAV124160_1	1	5	Q3	Dry-ice	Drug Resistance / Sequencing	Viral EQA
Hepatitis B vir	us (HBV) Genoty	oing					Pg 35
HBVGT21	QAV064118_1	1	8	Q1	Dry-ice	Typing	Viral EQA
Hepatitis C vii	rus (HCV)						Pg 35
HCVRNA21	QAV994112_1 QAV994112_2 QAV994112_4	1 2 4	8 4 4	Q3 Q1, Q3 Q1, Q2, Q3, Q4	Dry-ice	Qualitative & Quantitative	Viral EQA
Hepatitis C vii	rus (HCV) Dried B	lood Spots					Pg 53
HCVDBS21	QAV214222_1	1	8	Q4	Ambient	Qualitative	Pilot Study
Hepatitis C vii	rus (HCV) Drug Re	esistance					Pg 36
HCVDR21	QAV134167_1	1	5	Q3	Dry-ice	Drug Resistance / Sequencing	Viral EQA
Hepatitis C vi	rus (HCV) Genoty	ping					Pg 36
HCVGT21	QAV034117_1	1	8	Q1	Dry-ice	Typing	Viral EQA
Hepatitis D vir	rus (HDV)						Pg 37
HDV21	QAV144170_1	1	8	Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Hepatitis E vir	us (HEV)						Pg 37
HEVRNA21	QAV124157_1	1	8	Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Herpes simple	ex virus 1 & 2 (HS)	/)					Pg 38
HSVDNA21	QAV994105_1 QAV994105_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Viral EQA
Herpes simple	ex virus Drug Resi	stance					Pg 38
HSVDR21	QAV164184_1	1	5	Q1	Dry-ice	Sequence Analysis	Viral EQA
Human Immu	nodeficiency viru	us (HIV) Dried	Blood Spots				Pg 53
HIVDBS21	QAV214221_1	1	8	Q4	Ambient	Qualitative	Pilot Study
Human Immu	nodeficiency viru	us type 2 (HIV-	·2)				Pg 54
HIV2_21	QAV204212_1 QAV204212_2	1 2	8 4	Q3 Q1, Q3	Dry-ice	Qualitative & Quantitative	Pilot Study

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Human herpe	s virus 6 (HHV6)						Pg 39
HHV6DNA21	QAV084119_1 QAV084119_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Human Immu	nodeficiency vir	us type 1 (HIV-	1) – DNA				Pg 39
HIVDNA21	QAV034114_1 QAV034114_2	1 2	8 4	Q3 Q1, Q3	Dry-ice	Qualitative	Viral EQA
Human Immu	nodeficiency vir	us type 1 (HIV-	1) – Drug Resisto	ance			Pg 40
HIVDR21	QAV024131_1	1	5	Q3	Dry-ice	Drug Resistance / Sequencing	Viral EQA
Human Immu	nodeficiency vir	us type 1 (HIV-	1) – Drug Resisto	ance (Integrase)			Pg 40
HIVDRint21	QAV114146_1	1	5	Q3	Dry-ice	Drug Resistance / Sequencing	Viral EQA
Human Immu	nodeficiency vir	us type 1 (HIV-	1) – RNA				Pg 41
HIVRNA21	QAV994108_1 QAV994108_2 QAV994108_4	1 2 4	8 4 4	Q3 Q1, Q3 Q1, Q2, Q3, Q4	Dry-ice	Qualitative & Quantitative	Viral EQA
Human meta	oneumovirus (MP	PV)					Pg 41
MPV21	QAV054135_1	1	8	Q2	Dry-ice	Qualitative	Viral EQA
Human Papille	omavirus (HPV) –	PreservCyt					Pg 42
HPVPRES21	QAV094130_1 QAV094130_2	1 2	12 6	Q4 Q2, Q4	Ambient / Specialist	Qualitative	Viral EQA
Human Papille	omavirus (Surepo	ath)					Pg 42
HPVSURE21	QAV184204_1	1	12	Q4	Ambient	Qualitative	Viral EQA
Influenza A &	B virus (FLU)						Pg 43
INFRNA21	QAV054134_1 QAV054134_2	1 2	10 5	Q4 Q2, Q4	Dry-ice	Qualitative	Viral EQA
Influenza Hae	magglutinin Typi	ng					Pg 43
INTP21	QAV064138_1	1	8	Q4	Dry-ice	Typing	Viral EQA
JC virus (JCV))						Pg 44
JCDNA21	QAV074106_1 QAV074106_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative & Quantitative	Viral EQA
Legionella pn	eumophila						Pg 10
LPDNA21	QAB044122_1	1	10	Q1	Dry-ice	Qualitative	Bacterial EQA
Malaria							Pg 54
MALARIA21	QAP214218_1	1	10	Q4	Ambient	Qualitative	Pilot Study
MALDI-TOF							Pg 21
MALDI21	QAB124155_1	1	10	Q3	Dry-ice	Typing	Multi-Pathogen / Syndromic EQA
Measles / Mu	<u> </u>						Pg 44
MM21	QAV144171_1	1	10	Q3	Dry-ice	Qualitative	Viral EQA
	virus (MERS-CoV)						Pg 45
MERS21	QAV154181_1	1	8	Q2	Dry-ice	Qualitative	Viral EQA
	sistant Staphyloc	occus aureus					Pg 11
MRSADNA21	QAB064124_1	1	10	Q4	Ambient	Qualitative	Bacterial EQA

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Methicillin Resistant Staphylococcus aureus (MRSA) – Typing										
MRSATP21	QAB074128_1	1	8	Q4	Ambient	Typing	Bacterial EQA			
Mycobacterium tuberculosis (MTB)										
MTBDNA21	QAB014129_1 QAB014129_2	1 2	10 5	Q4 Q2, Q4	Ambient	Qualitative	Bacterial EQA			
Mycobacterio	um tuberculosis [Orug Resistanc	е				Pg 12			
MTBDR21	QAB194209_1	1	8	Q4	Ambient	Typing	Bacterial EQA			
Mycoplasma	genitalium						Pg 13			
MG21	QAB184205_1	1	10	Q3	Dry-ice	Qualitative	Bacterial EQA			
Mycoplasma	pneumoniae						Pg 13			
MP21	QAB174192_1	1	5	Q2	Dry-ice	Qualitative	Bacterial EQA			
Mycoplasma	spp. (cell contai	mination)					Pg 14			
MYCO21	QAB144168_1	1	10	Q4	Dry-ice	Qualitative & Quantitative	Bacterial EQA			
Neisseria gonorrhoeae										
NgDNA21	QAB034126_1 QAB034126_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Bacterial EQA			
Norovirus (NV	')						Pg 45			
NVRNA21	QAV084139_1 QAV084139_2	1 2	10 5	Q4 Q2, Q4	Dry-ice	Qualitative	Viral EQA			
Parainfluenza	virus (PIV)						Pg 46			
PINFRNA21	QAV064136_1	1	10	Q2	Dry-ice	Qualitative	Viral EQA			
Parasitic Gast	roenteritis						Pg 22			
GastroP21	QAP124154_1 QAP124154_2	1 2	10 5	Q4 Q2 & Q4	Dry-ice	Qualitative	Multi-Pathogen , Syndromic EQA			
Parechovirus	(HPeV)						Pg 46			
PeVRNA21	QAV114145_1 QAV114145_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Viral EQA			
Pneumocystis	jirovecii pneum	onia (PCP)					Pg 18			
PCPDNA21	QAF114144_1	1	10	Q3	Dry-ice	Qualitative & Quantitative	Fungal EQA			
Respiratory I							Pg 22			
RESPI21	QAV164188_1 QAV164188_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA			
Respiratory I I	Plus						Pg 55			
RESPIplus21	QAM204216_1	1	10	Q3	Dry-ice	Qualitative	Pilot Study			
Respiratory II							Pg 23			
RESPII21	QAV164189_1 QAV164189_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA			
Respiratory III							Pg 23			
RESPIII21	QAM174193_1 QAM174193_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA			
Respiratory sy	ncytial virus (RS)	/)					Pg 47			
RSV21	QAV054142_1 QAV054142_2	1 2	10 5	Q4 Q2, Q4	Dry-ice	Qualitative	Viral EQA			
Rhinovirus (R\	/)						Pg 47			
	QAV064143_1		10	Q2	Dry-ice	Qualitative	Viral EQA			

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SARS-CoV-2							Pg 48	
SCV2_21	QAV204215_1A QAV204215_1B QAV204215_1C QAV204215_1D	1 1 1	5 5 5 5	Q1 Q2 Q3 Q4	Dry-ice	Qualitative	Viral EQA	
Sepsis							Pg 24	
SEPSIS21	QAB164178_1	1	10	Q4	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA	
Sexually Transmitted Infections I							Pg 24	
STI_I21	QAB154177_1 QAB154177_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA	
Sexually Trans	mitted Infections	i II					Pg 25	
STI_II21	QAM174201_1 QAM174201_2	1 2	10 5	Q3 Q2, Q3	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA	
Staphylococo	us aureus spa						Pg 15	
SASPA21	QAB134164_1	1	6	Q4	Ambient	Typing	Bacterial EQA	
Syphilis							Pg 15	
SYPH21	QAB154180_1	1	8	Q4	Dry-ice	Qualitative	Bacterial EQA	
Torque teno v	irus (TTV)						Pg 48	
TTV21	QAV184203_1	1	6	Q4	Dry-ice	Qualitative	Viral EQA	
Toxoplasma g	ondii						Pg 18	
TGDNA21	QAP044123_1 QAP044123_2	1 2	10 5	Q4 Q2, Q4	Ambient	Qualitative	Fungal EQA	
Transplantatio	on (viral)						Pg 25	
TRANS21	QAM174198_1 QAM174198_2	1 2	10 5	Q3 Q2, Q4	Dry-ice	Qualitative & Quantitative	Multi-Pathogen / Syndromic EQA	
Trichomonas	vaginalis						Pg 18	
TV21	QAP184202_1	1	8	Q3	Dry-ice	Qualitative	Fungal EQA	
Vancomycin	Pg 16							
VRE21	QAB134163_1	1	10	Q3	Dry-ice	Qualitative	Bacterial EQA	
Varicella-Zost	er virus (VZV)						Pg 49	
VZVDNA21	QAV034103_1 QAV034103_2	1 2	10 5	Q3 Q1, Q3	Dry-ice	Qualitative	Viral EQA	
Viral Gastroenteritis Pg 25								
GastroV21	QAV124152_1 QAV124152_2	1 2	10 5	Q4 Q2, Q4	Dry-ice	Qualitative	Multi-Pathogen / Syndromic EQA	
Viral Metager	Pg 55							
NGSmta_21	QAV204213_1	1	5	Q4	Dry-ice	Qualitative	Pilot Study	
West Nile virus	s (WNV)						Pg 49	
WNVRNA21	QAV104141_1	1	10	Q4	Ambient	Qualitative	Viral EQA	
Yellow fever v	rirus						Pg 50	
YFV21	QAM194207_1	1	8	Q4	Ambient	Qualitative	Viral EQA	
Zika virus							Pg 50	
ZIKA21	QAV164186_1	1	10	Q4	Ambient	Qualitative	Viral EQA	





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