



# VirClia<sup>®</sup> Lotus

The revolution in infectious serology



Any test, any sample, any time

vircell   
MICROBIOLOGISTS

# WIDEST PANEL FOR INFECTIOUS SEROLOGY IN CLIA



## BACTERIAL RESPIRATORY INFECTIONS

- VCM092 BORDETELLA PERTUSSIS TOXIN VIRCLIA® IgG MONOTEST (quant.)
- VCM016 CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgA MONOTEST
- VCM017 CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCM018 CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgM MONOTEST
- VCM019 COXIELLA BURNETII VIRCLIA® IgG MONOTEST
- VCM020 COXIELLA BURNETII VIRCLIA® IgM MONOTEST
- VCM049 LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgG MONOTEST
- VCM050 LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgM MONOTEST
- VCM052 LEGIONELLA PNEUMOPHILA SG 1-6 VIRCLIA® IgG+IgM MONOTEST
- VCM062 MYCOPLASMA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCM064 MYCOPLASMA PNEUMONIAE VIRCLIA® IgM MONOTEST



## VIRAL RESPIRATORY INFECTIONS

- VCM002 ADENOVIRUS VIRCLIA® IgG MONOTEST
- VCM042 INFLUENZA A VIRCLIA® IgG MONOTEST
- VCM045 INFLUENZA B VIRCLIA® IgG MONOTEST
- VCM065 PARAINFLUENZA 1 VIRCLIA® IgG MONOTEST
- VCM068 PARAINFLUENZA 2 VIRCLIA® IgG MONOTEST
- VCM071 PARAINFLUENZA 3 VIRCLIA® IgG MONOTEST
- VCM077 RESPIRATORY SYNCYTIAL VIRUS VIRCLIA® IgG MONOTEST



## VACCINE-PREVENTABLE INFECTIONS

- VCM006 DIPHTHERIA VIRCLIA® IgG MONOTEST (quant.)
- VCM054 MEASLES VIRCLIA® IgG MONOTEST
- VCM057 MEASLES VIRCLIA® IgM MONOTEST
- VCM060 MUMPS VIRCLIA® IgG MONOTEST
- VCM061 MUMPS VIRCLIA® IgM MONOTEST
- VCM004 TETANUS VIRCLIA® IgG MONOTEST (quant.)
- VCM089 VARICELLA-ZOSTER VIRCLIA® IgG MONOTEST
- VCM091 VARICELLA-ZOSTER VIRCLIA® IgM MONOTEST



## VECTOR-BORNE INFECTIONS

- VCM009 BORRELIA VIRCLIA® IgG MONOTEST
- VCM010 BORRELIA VIRCLIA® IgM MONOTEST
- VCM008 CHAGAS VIRCLIA® IgG+IgM MONOTEST
- VCM059 CHIKUNGUNYA VIRCLIA® IgG MONOTEST
- VCM063 CHIKUNGUNYA VIRCLIA® IgM MONOTEST
- VCM058 DENGUE NS1 Ag VIRCLIA® MONOTEST\*
- VCM023 DENGUE VIRCLIA® IgG MONOTEST
- VCM024 DENGUE VIRCLIA® IgM MONOTEST (capture)
- VCM053 LEISHMANIA VIRCLIA® IgG+IgM MONOTEST
- VCM080 RICKETTSIA CONORII VIRCLIA® IgG MONOTEST
- VCM082 RICKETTSIA CONORII VIRCLIA® IgM MONOTEST
- VCM069 ROSS RIVER VIRUS VIRCLIA® IgG MONOTEST
- VCM070 ROSS RIVER VIRUS VIRCLIA® IgM MONOTEST
- VCM047 TICK-BORNE ENCEPHALITIS VIRCLIA® IgG MONOTEST
- VCM048 TICK-BORNE ENCEPHALITIS VIRCLIA® IgM MONOTEST
- VCM078 WEST NILE VIRUS VIRCLIA® IgG MONOTEST
- VCM079 WEST NILE VIRUS VIRCLIA® IgM MONOTEST
- VCM033 ZIKA VIRCLIA® IgG MONOTEST
- VCM035 ZIKA VIRCLIA® IgM MONOTEST



## FUNGAL INFECTIONS

- VCM073 ASPERGILLUS GALACTOMANNAN Ag VIRCLIA® MONOTEST
- VCM094 INVASIVE CANDIDIASIS (CAGTA) VIRCLIA® IgG MONOTEST



## SEXUALLY TRANSMITTED INFECTIONS

- VCM012 CHLAMYDIA TRACHOMATIS VIRCLIA® IgA MONOTEST
- VCM013 CHLAMYDIA TRACHOMATIS VIRCLIA® IgG MONOTEST
- VCM015 CHLAMYDIA TRACHOMATIS VIRCLIA® IgM MONOTEST
- VCM085 SYPHILIS VIRCLIA® IgG MONOTEST
- VCM086 SYPHILIS VIRCLIA® IgG+IgM MONOTEST
- VCM032 SYPHILIS VIRCLIA® IgM MONOTEST



## TORCH INFECTIONS

- VCM038 CYTOMEGALOVIRUS VIRCLIA® IgG AVIDITY MONOTEST\*\*
- VCM021 CYTOMEGALOVIRUS VIRCLIA® IgG MONOTEST (quant.)
- VCM022 CYTOMEGALOVIRUS VIRCLIA® IgM MONOTEST (capture)
- VCM031 HERPES SIMPLEX 1 VIRCLIA® IgG MONOTEST
- VCM039 HERPES SIMPLEX 1 VIRCLIA® IgM MONOTEST
- VCM034 HERPES SIMPLEX 1+2 VIRCLIA® IgG MONOTEST
- VCM036 HERPES SIMPLEX 1+2 VIRCLIA® IgM MONOTEST
- VCM037 HERPES SIMPLEX 2 VIRCLIA® IgG MONOTEST
- VCM041 HERPES SIMPLEX 2 VIRCLIA® IgM MONOTEST
- VCM083 RUBELLA VIRCLIA® IgG MONOTEST (quant.)
- VCM084 RUBELLA VIRCLIA® IgM MONOTEST (capture)
- VCM025 TOXOPLASMA VIRCLIA® IgG AVIDITY MONOTEST\*\*
- VCM087 TOXOPLASMA VIRCLIA® IgG MONOTEST (quant.)
- VCM088 TOXOPLASMA VIRCLIA® IgM MONOTEST (capture)



## ZOONOTIC INFECTIONS

- VCM046 BARTONELLA HENSELAE VIRCLIA® IgG MONOTEST
- VCM043 BARTONELLA HENSELAE VIRCLIA® IgM MONOTEST
- VCM005 BRUCELLA VIRCLIA® IgG MONOTEST
- VCM007 BRUCELLA VIRCLIA® IgM MONOTEST
- VCM040 HYDATIDOSIS VIRCLIA® IgG MONOTEST
- VCM011 TULAREMIA VIRCLIA® IgG+IgM MONOTEST



## OTHER INFECTIONS

- VCM044 EPSTEIN-BARR EA VIRCLIA® IgG MONOTEST\*
- VCM026 EPSTEIN-BARR EBNA VIRCLIA® IgG MONOTEST
- VCM090 EPSTEIN-BARR VCA VIRCLIA® IgA MONOTEST\*
- VCM027 EPSTEIN-BARR VCA VIRCLIA® IgG MONOTEST
- VCM028 EPSTEIN-BARR VCA VIRCLIA® IgM MONOTEST
- VCM029 HELICOBACTER PYLORI VIRCLIA® IgA MONOTEST
- VCM030 HELICOBACTER PYLORI VIRCLIA® IgG MONOTEST
- VCM066 HEPATITIS E VIRCLIA® IgG MONOTEST
- VCM067 HEPATITIS E VIRCLIA® IgM MONOTEST (capture)
- VCM003 HHV-6 VIRCLIA® IgG MONOTEST
- VCM001 INFECTIOUS MONONUCLEOSIS HETEROPHILE VIRCLIA® IgM MONOTEST
- VCM081 LEPTOSPIRA VIRCLIA® IgG MONOTEST\*
- VCM014 LEPTOSPIRA VIRCLIA® IgM MONOTEST
- VCM075 PARVOVIRUS VIRCLIA® IgG MONOTEST
- VCM076 PARVOVIRUS VIRCLIA® IgM MONOTEST (capture)



# VIRCLIA® THE TRUE MONOTEST

## All In One

Vircell provides a complete, fully automated platform together with self-contained monotest assays with all the needed reagents in the strip including calibrators and controls.

## All Are One

More than 85 tests available with compatible protocols, no special workflow considerations. All different assays can be treated as one.



## NO HIDDEN COSTS

- > On-demand testing, 1 monotest =1 reportable test
- > Individual quality control per monotest, no need for extra controls or calibrations
- > Shelf life associated to each individual strip; no throwing away unused components after opening!

## TRUE SELF-CONTAINED MONOTEST

- All reagents are included and ready-to-use
- Every monotest includes a calibrator for internal validation
- QR code ID of the strip
- One strip= one result. Nothing else is required

## MULTIPARAMETER

- Unmatched infectious diseases menu in CLIA
- Allows to run any number of different VirClia® parameters simultaneously
- Continuous loading, multi-batch testing
- STAT testing capability



## CLIA, CHEMILUMINESCENT IMMUNOASSAY

- Highly sensitive detection method
- Extended linearity range
- Qualitative and quantitative tests
- Excellent turnaround time

# VirClia<sup>®</sup> Lotus

Any test, any sample, any time



## RANDOM ACCESS, CONTINUOUS LOADING

VirClia® Lotus accepts any combination of samples and reagents, regardless of the instrument status. Even while running, it remains accessible for reagent and sample addition.

## STAT FUNCTION

Urgent samples can be prioritized. With VirClia® Lotus, STAT test requests are given the highest priority for processing.

## TOTAL FLEXIBILITY

This true monotest solution allows the laboratory to run esoteric and low-volume infectious serology tests daily, alongside the laboratory routine. VirClia® Lotus unifies in just one CLIA system, all those parameters typically performed with ELISA, IFA or Rapid Tests.

## POSITIVE IDENTIFICATION OF SAMPLES & STRIPS

VirClia® Lotus built-in scanner allows for full traceability of both samples and strips, avoiding clerical errors.

## SAMPLE PRIMARY TUBES

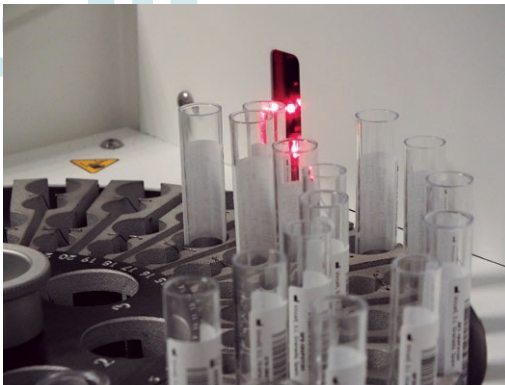
Save hands-on-time using primary tubes (11-16 mm) directly in VirClia® Lotus, avoiding the inconvenience of transferring samples or performing external predilutions.

## EXCELLENT TURNAROUND TIME

Results appear as soon as they are processed. The first results are available within an hour and then, every 30 seconds thereafter.

The system is able to process 40 tests in 1h 25m and 80 tests in 2h 30m.

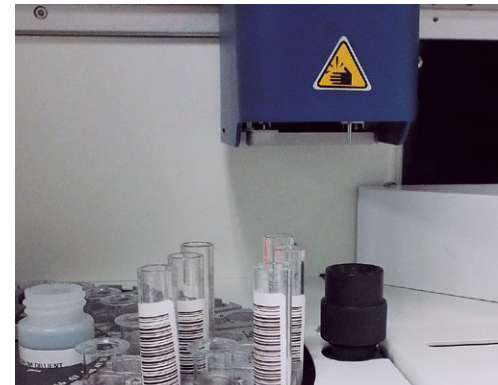
VirClia® Lotus holds up to 79 different monotests on-board and 50 primary sample tubes.



Positive identification of samples



QR code ID of the strips



High precision single tip





## VIRCLIA® LOTUS TECHNICAL DATA

### > OVERVIEW

Method	Chemiluminescence immunoassay (CLIA)
Operation mode	Continuous loading, random access
Urgent Samples Management	STAT function
Multiparameter	Full compatibility with all VirClia® assays

### > CAPACITY

Sample loading	50 Primary tubes, 50 dilution tubes and 6 bottles of diluent
Strip loading	39 in loading rotor and 40 in reaction rotor
Wash buffer	5 liters
Distilled water	0.25 liters
Liquid waste	5 liters (internal tank) / 11 liters (external tank)
Solid waste	80 strips (automatic disposal)

### > THROUGHPUT

Time to first result	First results in 1 h (one result every 30 seconds)
Speed	40 tests in 1 h 25 min, 80 tests in 2 h 30 min

### > SAMPLES AND REAGENTS HANDLING

Sample tubes	Primary tube (11-16 mm diameter)
Predilution	Automatic predilution if required
Built-in scanner	Positive identification of samples and strips

### > USER INTERFACE

PC	External laptop 15.3" Touch screen, 1920 x 1080 resolution
Operating system	Windows 10 Pro x64
LIS connectivity	Bidirectional VirCom® middleware
Results management	Customized mode (per test, per patient) Automatic full report (QC per test, no standard curves) Accessible results

### > OTHER FEATURES

Dimensions and weight	W 75 cm x D 74 cm x H 65 cm. 70 kg (max)
Noise Level	<75 decibels
Power supply	Europe: 230 Vac@ 50Hz USA/Canada: 110-120Vac@ 60Hz
Electrical Power Consumption	365 VA