



VirClia® Lotus

The revolution in infectious serology



Any test, any sample, any time

vircell 
MICROBIOLOGISTS

WIDEST PANEL FOR INFECTIOUS SEROLOGY IN CLIA



BACTERIAL RESPIRATORY INFECTIONS

- VCMM092** BORDETELLA PERTUSSIS TOXIN VIRCLIA® IgG MONOTEST (quant.)
- VCMM016** CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgA MONOTEST
- VCMM017** CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCMM018** CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgM MONOTEST
- VCMM019** COXIELLA BURNETII VIRCLIA® IgG MONOTEST
- VCMM020** COXIELLA BURNETII VIRCLIA® IgM MONOTEST
- VCMM049** LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgG MONOTEST
- VCMM050** LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgM MONOTEST
- VCMM052** LEGIONELLA PNEUMOPHILA SG 1-6 VIRCLIA® IgG+IgM MONOTEST
- VCMM062** MYCOPLASMA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCMM064** MYCOPLASMA PNEUMONIAE VIRCLIA® IgM MONOTEST



VIRAL RESPIRATORY INFECTIONS

- VCMM002** ADENOVIRUS VIRCLIA® IgG MONOTEST
- VCMM042** INFLUENZA A VIRCLIA® IgG MONOTEST
- VCMM045** INFLUENZA B VIRCLIA® IgG MONOTEST
- VCMM065** PARAINFLUENZA 1 VIRCLIA® IgG MONOTEST
- VCMM068** PARAINFLUENZA 2 VIRCLIA® IgG MONOTEST
- VCMM071** PARAINFLUENZA 3 VIRCLIA® IgG MONOTEST
- VCMM077** RESPIRATORY SYNCYTIAL VIRUS VIRCLIA® IgG MONOTEST



VACCINE-PREVENTABLE INFECTIONS

- VCMM006** DIPHTHERIA VIRCLIA® IgG MONOTEST (quant.)
- VCMM054** MEASLES VIRCLIA® IgG MONOTEST
- VCMM057** MEASLES VIRCLIA® IgM MONOTEST
- VCMM060** MUMPS VIRCLIA® IgG MONOTEST
- VCMM061** MUMPS VIRCLIA® IgM MONOTEST
- VCMM004** TETANUS VIRCLIA® IgG MONOTEST (quant.)
- VCMM089** VARICELLA-ZOSTER VIRCLIA® IgG MONOTEST
- VCMM091** VARICELLA-ZOSTER VIRCLIA® IgM MONOTEST



VECTOR-BORNE INFECTIONS

- VCMM009** BORRELIA VIRCLIA® IgG MONOTEST
- VCMM010** BORRELIA VIRCLIA® IgM MONOTEST
- VCMM008** CHAGAS VIRCLIA® IgG+IgM MONOTEST
- VCMM059** CHIKUNGUNYA VIRCLIA® IgG MONOTEST
- VCMM063** CHIKUNGUNYA VIRCLIA® IgM MONOTEST
- VCMM058** DENGUE NS1 Ag VIRCLIA® MONOTEST*
- VCMM023** DENGUE VIRCLIA® IgG MONOTEST
- VCMM024** DENGUE VIRCLIA® IgM MONOTEST (capture)
- VCMM053** LEISHMANIA VIRCLIA® IgG+IgM MONOTEST
- VCMM080** RICKETTSIA CONORII VIRCLIA® IgG MONOTEST
- VCMM082** RICKETTSIA CONORII VIRCLIA® IgM MONOTEST
- VCMM069** ROSS RIVER VIRUS VIRCLIA® IgG MONOTEST
- VCMM070** ROSS RIVER VIRUS VIRCLIA® IgM MONOTEST
- VCMM047** TICK-BORNE ENCEPHALITIS VIRCLIA® IgG MONOTEST
- VCMM048** TICK-BORNE ENCEPHALITIS VIRCLIA® IgM MONOTEST
- VCMM078** WEST NILE VIRUS VIRCLIA® IgG MONOTEST
- VCMM079** WEST NILE VIRUS VIRCLIA® IgM MONOTEST
- VCMM033** ZIKA VIRCLIA® IgG MONOTEST
- VCMM035** ZIKA VIRCLIA® IgM MONOTEST



FUNGAL INFECTIONS

- VCMM073** ASPERGILLUS GALACTOMANNAN Ag VIRCLIA® MONOTEST
- VCMM094** INVASIVE CANDIDIASIS (CAGTA) VIRCLIA® IgG MONOTEST



SEXUALLY TRANSMITTED INFECTIONS

- VCMM012** CHLAMYDIA TRACHOMATIS VIRCLIA® IgA MONOTEST
- VCMM013** CHLAMYDIA TRACHOMATIS VIRCLIA® IgG MONOTEST
- VCMM015** CHLAMYDIA TRACHOMATIS VIRCLIA® IgM MONOTEST
- VCMM085** SYPHILIS VIRCLIA® IgG MONOTEST
- VCMM086** SYPHILIS VIRCLIA® IgG+IgM MONOTEST
- VCMM032** SYPHILIS VIRCLIA® IgM MONOTEST



TORCH INFECTIONS

- VCMM038** CYTOMEGALOVIRUS VIRCLIA® IgG AVIDITY MONOTEST**
- VCMM021** CYTOMEGALOVIRUS VIRCLIA® IgG MONOTEST (quant.)
- VCMM022** CYTOMEGALOVIRUS VIRCLIA® IgM MONOTEST (capture)
- VCMM031** HERPES SIMPLEX 1 VIRCLIA® IgG MONOTEST
- VCMM039** HERPES SIMPLEX 1 VIRCLIA® IgM MONOTEST
- VCMM034** HERPES SIMPLEX 1+2 VIRCLIA® IgG MONOTEST
- VCMM036** HERPES SIMPLEX 1+2 VIRCLIA® IgM MONOTEST
- VCMM037** HERPES SIMPLEX 2 VIRCLIA® IgG MONOTEST
- VCMM041** HERPES SIMPLEX 2 VIRCLIA® IgM MONOTEST
- VCMM083** RUBELLA VIRCLIA® IgG MONOTEST (quant.)
- VCMM084** RUBELLA VIRCLIA® IgM MONOTEST (capture)
- VCMM025** TOXOPLASMA VIRCLIA® IgG AVIDITY MONOTEST**
- VCMM087** TOXOPLASMA VIRCLIA® IgG MONOTEST (quant.)
- VCMM088** TOXOPLASMA VIRCLIA® IgM MONOTEST (capture)



ZOONOTIC INFECTIONS

- VCMM046** BARTONELLA HENSELAE VIRCLIA® IgG MONOTEST
- VCMM043** BARTONELLA HENSELAE VIRCLIA® IgM MONOTEST
- VCMM005** BRUCELLA VIRCLIA® IgG MONOTEST
- VCMM007** BRUCELLA VIRCLIA® IgM MONOTEST
- VCMM040** HYDATIDOSIS VIRCLIA® IgG MONOTEST
- VCMM011** TULAREMIA VIRCLIA® IgG+IgM MONOTEST



OTHER INFECTIONS

- VCMM044** EPSTEIN-BARR EA VIRCLIA® IgG MONOTEST*
- VCMM026** EPSTEIN-BARR EBNA VIRCLIA® IgG MONOTEST
- VCMM090** EPSTEIN-BARR VCA VIRCLIA® IgA MONOTEST*
- VCMM027** EPSTEIN-BARR VCA VIRCLIA® IgG MONOTEST
- VCMM028** EPSTEIN-BARR VCA VIRCLIA® IgM MONOTEST
- VCMM029** HELICOBACTER PYLORI VIRCLIA® IgA MONOTEST
- VCMM030** HELICOBACTER PYLORI VIRCLIA® IgG MONOTEST
- VCMM066** HEPATITIS E VIRCLIA® IgG MONOTEST
- VCMM067** HEPATITIS E VIRCLIA® IgM MONOTEST (capture)
- VCMM003** HHV-6 VIRCLIA® IgG MONOTEST
- VCMM001** INFECTIOUS MONONUCLEOSIS HETEROPHILE VIRCLIA® IgM MONOTEST
- VCMM081** LEPTOSPIRA VIRCLIA® IgG MONOTEST*
- VCMM014** LEPTOSPIRA VIRCLIA® IgM MONOTEST
- VCMM075** PARVOVIRUS VIRCLIA® IgG MONOTEST
- VCMM076** PARVOVIRUS VIRCLIA® IgM MONOTEST (capture)

VIRCLIA®

THE TRUE MONOTEST

All In One

Vircell provides a complete, fully automated platform together with self-contained monotests 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[®] 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.

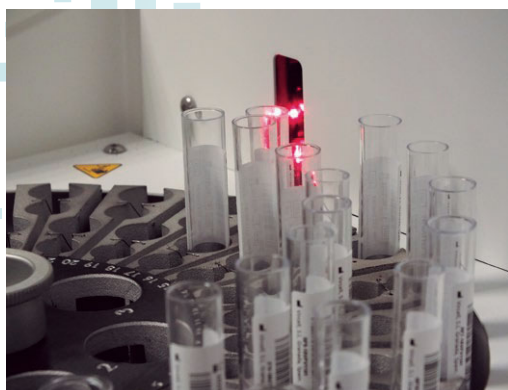
SAMPLE PRIMARY TUBES

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.

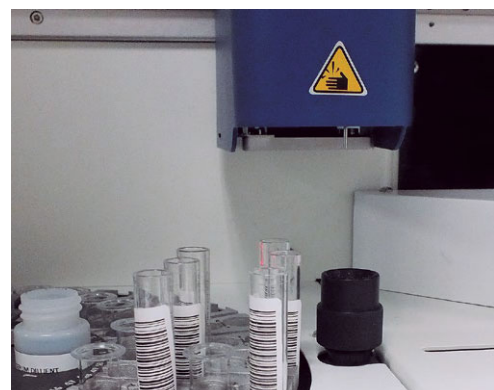
The system is able to process 40 tests in 1h 25m and 80 tests in 2h 30m. VirClia® Lotus holds up to 79 different monotests on-board and 50 primary sample tubes.



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