

Any Sample, Any Test, Any Time

New paradigm in infectious diseases serology

Joaquín Ortiz

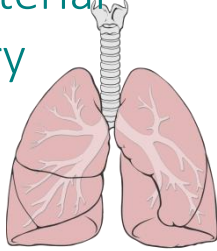
Clinical Advisor

Vircell SL, Oct '19

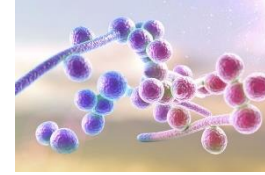
**IVD manufacturers mission:
To improve people's Health!**



Viral - Bacterial
Respiratory



ZOONOTIC

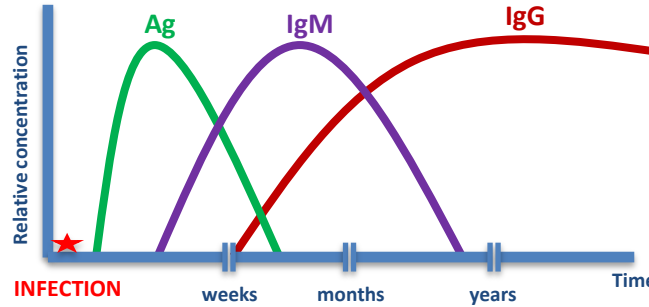


FUNGAL

TORCH



SEXUALLY
TRANSMITTED



VECTOR-BORNE



gastrointestinal



VACCINE-
PREVENTABLE

WHAT IS VIRCLIA[®] Lotus?

REVOLUTIONARY SOLUTION
FOR INFECTIOUS DISEASES SEROLOGY

- Virus
- Bacteria
- Parasites
- Fungal



VIRCLIA® KIT

AN UNMATCHED TEST MENU FOR ID WITH MORE THAN 80 PRODUCTS



BACTERIAL RESPIRATORY INFECTIONS

- VCN092 BORDETELLA PERTUSSIS TOXIN VIRCLIA® IgG MONOTEST (quant.)
- VCN016 CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgA MONOTEST
- VCN017 CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCN018 CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgM MONOTEST
- VCN019 COXIELLA BURNETII VIRCLIA® IgG MONOTEST
- VCN020 COXIELLA BURNETII VIRCLIA® IgM MONOTEST
- VCN049 LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgG MONOTEST
- VCN050 LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgM MONOTEST
- VCN052 LEGIONELLA PNEUMOPHILA SG 1-6 VIRCLIA® IgG+IgM MONOTEST
- VCN062 MYCOPLASMA PNEUMONIAE VIRCLIA® IgG MONOTEST
- VCN064 MYCOPLASMA PNEUMONIAE VIRCLIA® IgM MONOTEST



VIRAL RESPIRATORY INFECTIONS

- VCN002 ADENOVIRUS VIRCLIA® IgG MONOTEST
- VCN042 INFLUENZA A VIRCLIA® IgG MONOTEST
- VCN045 INFLUENZA B VIRCLIA® IgG MONOTEST
- VCN065 PARAINFLUENZA 1 VIRCLIA® IgG MONOTEST
- VCN068 PARAINFLUENZA 2 VIRCLIA® IgG MONOTEST
- VCN071 PARAINFLUENZA 3 VIRCLIA® IgG MONOTEST
- VCN077 RESPIRATORY SYNCYTIAL VIRUS VIRCLIA® IgG MONOTEST



TORCH INFECTIONS

- VCN038 CYTOMEGALOVIRUS VIRCLIA® IgG AVIDITY MONOTEST
- VCN021 CYTOMEGALOVIRUS VIRCLIA® IgG MONOTEST
- VCN022 CYTOMEGALOVIRUS VIRCLIA® IgM MONOTEST (capture)
- VCN031 HERPES SIMPLEX 1 VIRCLIA® IgG MONOTEST
- VCN039 HERPES SIMPLEX 1 VIRCLIA® IgM MONOTEST
- VCN034 HERPES SIMPLEX 1+2 VIRCLIA® IgG MONOTEST
- VCN036 HERPES SIMPLEX 1+2 VIRCLIA® IgM MONOTEST
- VCN037 HERPES SIMPLEX 2 VIRCLIA® IgG MONOTEST
- VCN041 HERPES SIMPLEX 2 VIRCLIA® IgM MONOTEST
- VCN083 RUBELLA VIRCLIA® IgG MONOTEST
- VCN084 RUBELLA VIRCLIA® IgM MONOTEST (capture)
- VCN025 TOXOPLASMA VIRCLIA® IgG AVIDITY MONOTEST
- VCN087 TOXOPLASMA VIRCLIA® IgG MONOTEST
- VCN088 TOXOPLASMA VIRCLIA® IgM MONOTEST (capture)



FUNGAL INFECTIONS

- VCN073 ASPERGILLUS GALACTOMANNAN Ag VIRCLIA® MONOTEST*
- VCN094 INVASIVE CANDIDIASIS (CAGTA) VIRCLIA® IgG MONOTEST



VACCINE-PREVENTABLE INFECTIONS

- VCN006 DIPHTHERIA VIRCLIA® IgG MONOTEST (quant.)
- VCN054 MEASLES VIRCLIA® IgG MONOTEST
- VCN057 MEASLES VIRCLIA® IgM MONOTEST
- VCN060 MUMPS VIRCLIA® IgG MONOTEST
- VCN061 MUMPS VIRCLIA® IgM MONOTEST
- VCN004 TETANUS VIRCLIA® IgG MONOTEST
- VCN089 VARICELLA-ZOSTER VIRUS VIRCLIA® IgG MONOTEST
- VCN091 VARICELLA-ZOSTER VIRUS VIRCLIA® IgM MONOTEST



SEXUALLY TRANSMITTED INFECTIONS

- VCN012 CHLAMYDIA TRACHOMATIS VIRCLIA® IgG MONOTEST
- VCN013 CHLAMYDIA TRACHOMATIS VIRCLIA® IgM MONOTEST
- VCN015 CHLAMYDIA TRACHOMATIS VIRCLIA® IgM MONOTEST
- VCN085 SYPHILIS VIRCLIA® IgG MONOTEST
- VCN086 SYPHILIS VIRCLIA® IgG+IgM MONOTEST
- VCN032 SYPHILIS VIRCLIA® IgM MONOTEST



ZOO NOTIC INFECTIONS

- VCN046 BARTONELLA HENSELAE VIRCLIA® IgG MONOTEST
- VCN043 BARTONELLA HENSELAE VIRCLIA® IgM MONOTEST
- VCN005 BRUCELLA VIRCLIA® IgG MONOTEST
- VCN007 BRUCELLA VIRCLIA® IgM MONOTEST
- VCN040 HYDATIDIOSIS VIRCLIA® IgG MONOTEST
- VCN011 TULAREMIA VIRCLIA® IgG+IgM



VECTOR-BORNE INFECTIONS

- VCN009 BORRELIA VIRCLIA® IgG MONOTEST
- VCN010 BORRELIA VIRCLIA® IgM MONOTEST
- VCN008 CHAGAS VIRCLIA® IgG+IgM MONOTEST
- VCN059 CHIKUNGUNYA VIRCLIA® IgG MONOTEST
- VCN063 CHIKUNGUNYA VIRCLIA® IgM MONOTEST
- VCN023 DENGUE VIRCLIA® IgG MONOTEST
- VCN024 DENGUE VIRCLIA® IgM MONOTEST (capture)
- VCN053 LEISHMANIA VIRCLIA® IgG+IgM MONOTEST
- VCN080 RICKETTSIA CONORII VIRCLIA® IgG MONOTEST
- VCN082 RICKETTSIA CONORII VIRCLIA® IgM MONOTEST
- VCN069 ROSS RIVER VIRUS VIRCLIA® IgG MONOTEST*
- VCN070 ROSS RIVER VIRUS VIRCLIA® IgM MONOTEST*
- VCN047 TICK-BORNE ENCEPHALITIS VIRCLIA® IgG MONOTEST
- VCN048 TICK-BORNE ENCEPHALITIS VIRCLIA® IgM MONOTEST
- VCN033 ZIKA VIRCLIA® IgG MONOTEST
- VCN035 ZIKA VIRCLIA® IgM MONOTEST



OTHER INFECTIONS

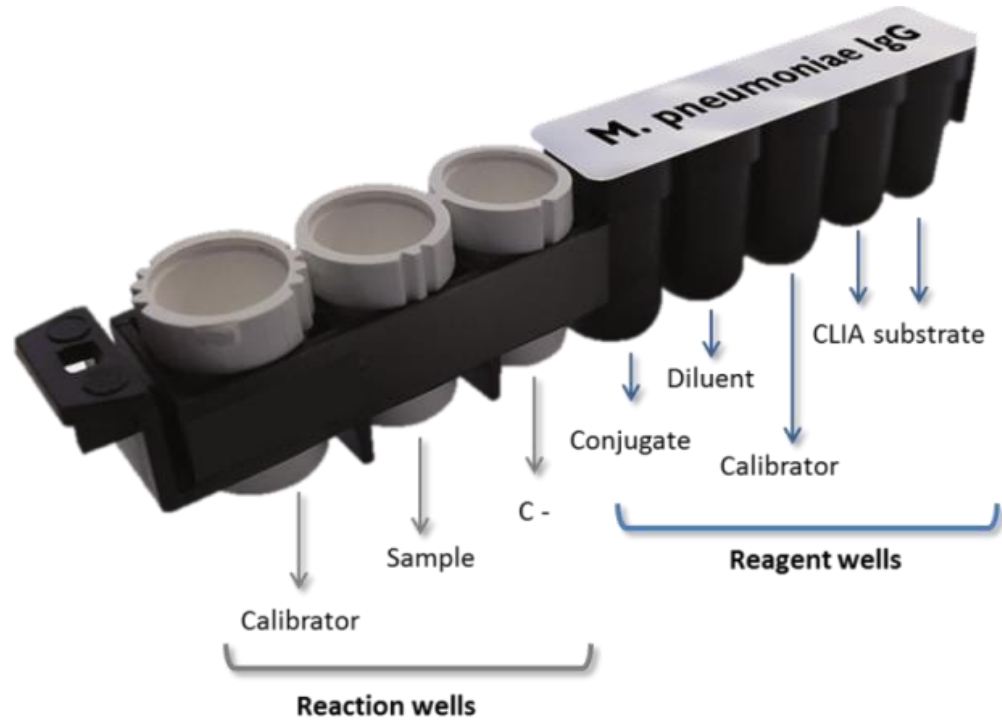
- VCN026 EPSTEIN-BARR EBNA VIRCLIA® IgG MONOTEST
- VCN027 EPSTEIN-BARR VCA VIRCLIA® IgG MONOTEST
- VCN028 EPSTEIN-BARR VCA VIRCLIA® IgM MONOTEST
- VCN029 HELICOBACTER PYLORI VIRCLIA® IgA MONOTEST
- VCN030 HELICOBACTER PYLORI VIRCLIA® IgG MONOTEST
- VCN066 HEPATITIS E VIRCLIA® IgG MONOTEST
- VCN067 HEPATITIS E VIRCLIA® IgM MONOTEST (capture)
- VCN003 HHV-6 VIRCLIA® IgG MONOTEST
- VCN072 HHV-6 VIRCLIA® IgM MONOTEST*
- VCN001 INFECTIOUS MONONUCLEOSIS HETEROPHILE VIRCLIA® IgM MONOTEST
- VCN014 LEPTOSPIRA VIRCLIA® IgM MONOTEST
- VCN075 PARVOVIRUS VIRCLIA® IgG MONOTEST
- VCN076 PARVOVIRUS VIRCLIA® IgM MONOTEST (capture)

* Available soon



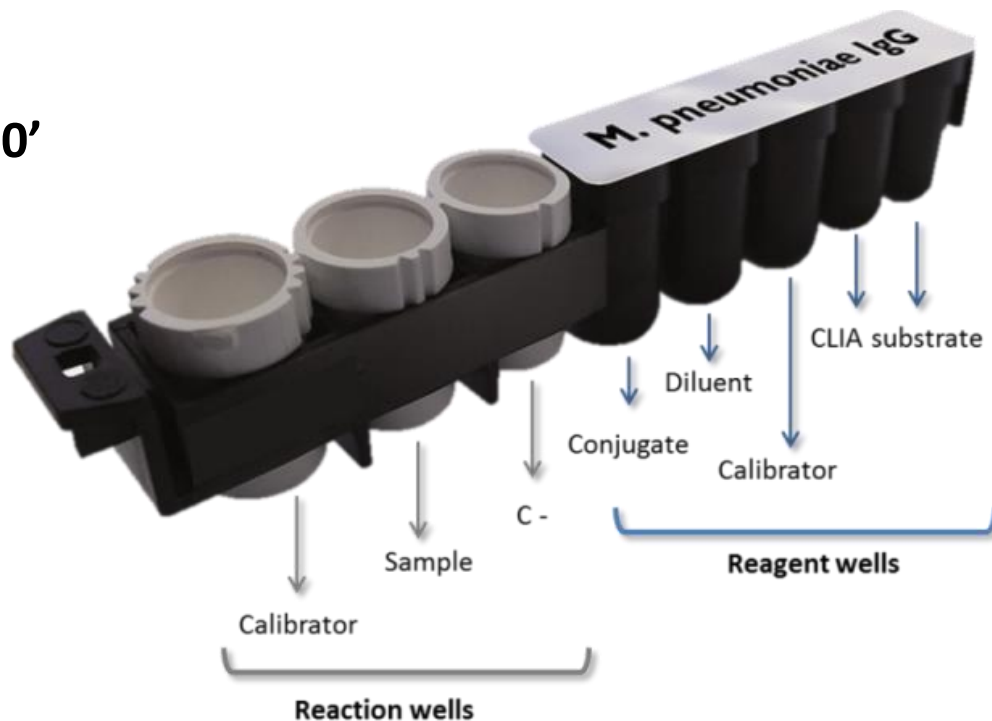
Any Sample
Any Test
Any Time

VIRCLIA® STRIP



VIRCLIA® STRIP

Assay Protocol: 20' + 20' + 10'

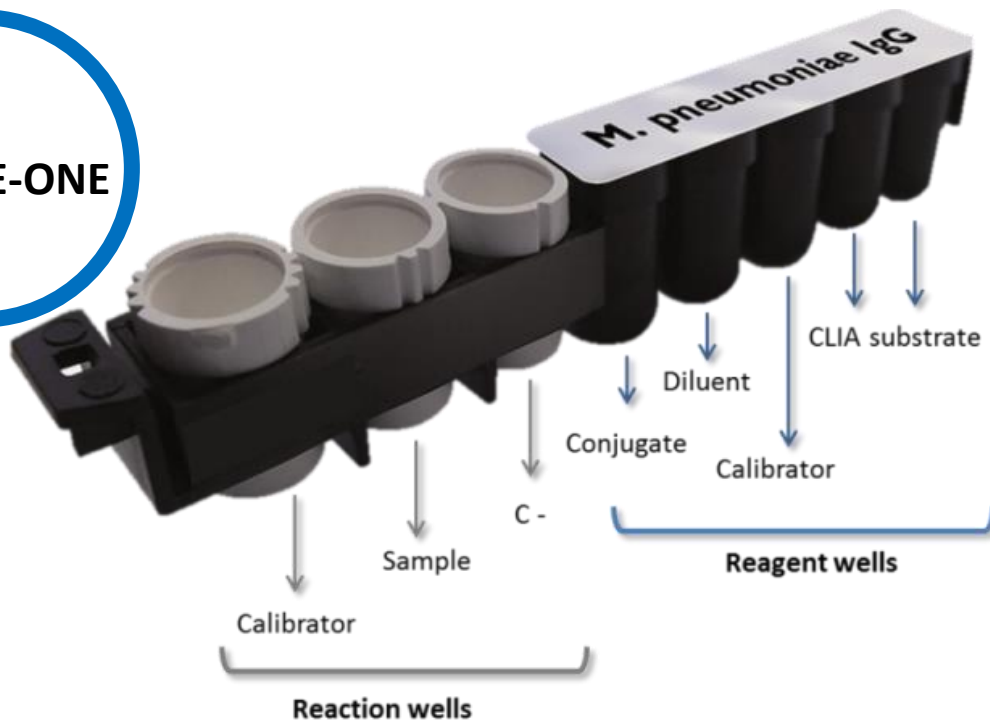


VIRCLIA® STRIP

ALL-IN-ONE

&

ALL-ARE-ONE



VIRCLIA® CONCEPT vs ELISA



VIRCLIA® CONCEPT vs IFA



VIRCLIA® CONCEPT vs Chemiluminescence

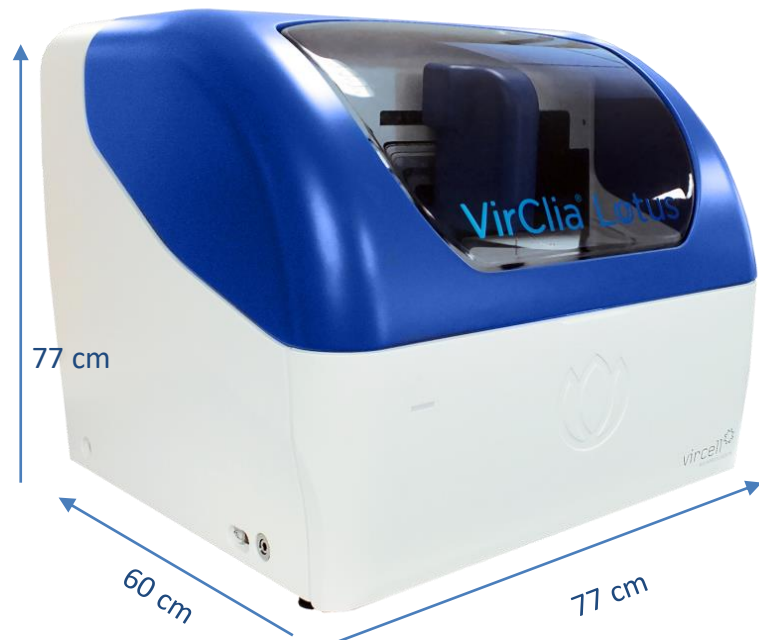




Any Sample, Any Test, Any Time



Any sample, Any test, Any time



Random Access:

- 24h / 7d / 365y

Continuous loading

- Primary tube, any lab tub, cups, pediatrics
- Samples + Monotest Reagents
- STAT emergency samples

Powerful

- Fully automated Walk Away Instrument
- 50 sample capacity
- 40 Monotest Reagents

Fast

- **First result: 1h, Next results every 30''**
- 40 Test in 1h 25 min

VirClia® Lotus

VIRCLIA® LOTUS



2 accessible rotors:
samples and monotests



Internal barcode for samples



Internal barcode
Monotests identified with
2D or QR barcode

VIRCLIA® LOTUS

INSTRUMENT ARCHITECTURE

ROTOR 1: SAMPLES

- 50 primary tubes
- 50 dilution tubes
- 6 additional bottles

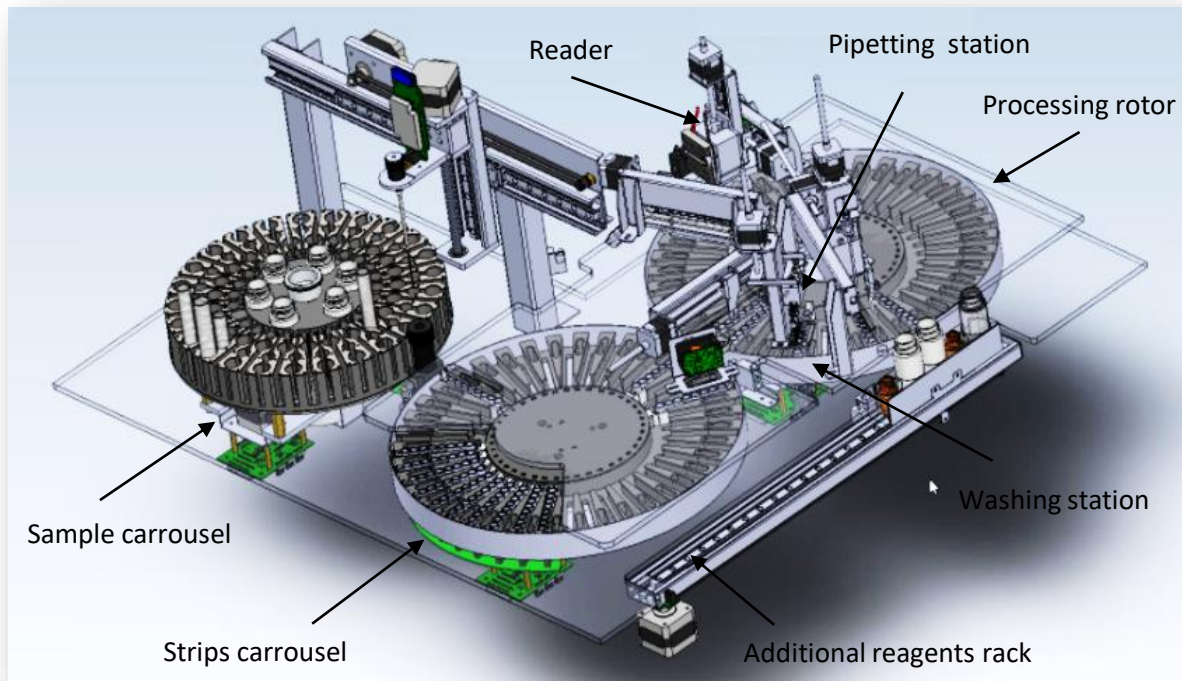
ROTOR 2: STRIPS INSERTION

- 39 monotests (loading area up to 10 monotests)

ROTOR 3: REAGENTS PROCESSOR

- 40 positions

Strip disposal: Automatic



Load Samples

37° User: vcell

VirCiaPlus
0107

0.01.66

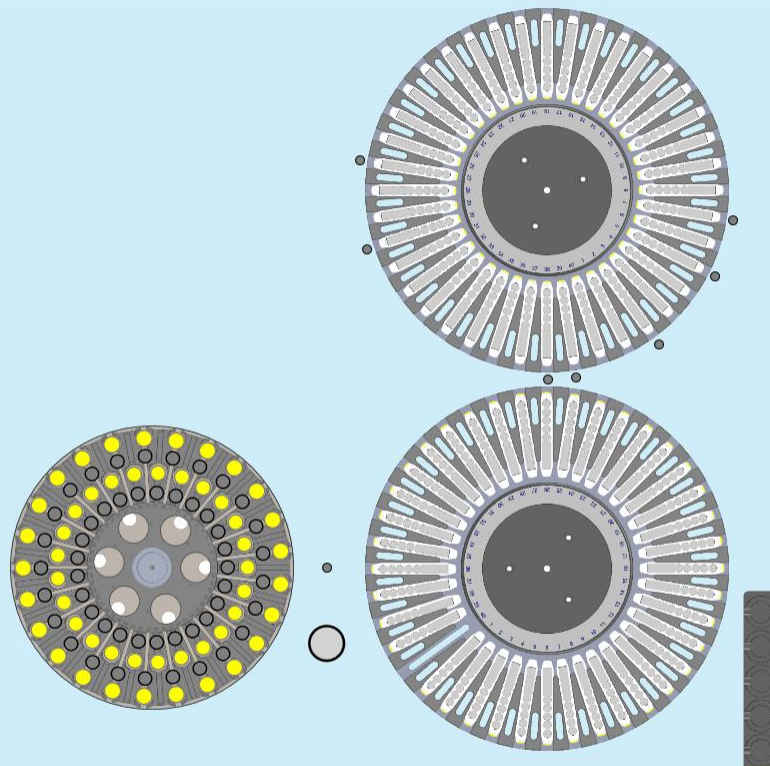
Service

Admin
Settings

Restart

Log Out

Archive

0
Events

Load new samples in positions highlighted in yellow.



Home



Scan

Open Lid



Back



Continue

Worklist

37° User: vcell

VirCliaPlus
0107

0.01.66

Service

Admin
Settings

Restart

Log Out

Archive

0
Events

			002 - ADENOVIRUS IgG	002 - B. PERTUSSIS IgG	046 - BARTONELLA HENSELAE IgG	043 - BARTONELLA HENSELAE IgM	009 - BORRELIA IgG	010 - BORRELIA IgM	005 - BRUCELLA IgG	007 - BRUCELLA IgM	016 - C. PNEUMONIAE IgA	017 - C. PNEUMONIAE IgG	018 - C. PNEUMONIAE IgM	012 - C. TRACHOMATIS IgA
4	12365448	● +	✓		✓	✓					✓			
37	1236985851	● +		✓					✓					
39	1854181851	● +					✓				✓			
41	9215818181	● +	✓		✓	✓			✓		✓	✓		



Select tests to perform on samples.



Home



LIS Query

Open Lid



Back



Continue

Shopping List

37° User: vcell

VirCliaPlus
0107

0.01.66

Service

Admin
Settings

Restart

Log Out

Archive

0
Events

Tests		Amount
ADENOVIRUS IgG		2
BARTONELLA HENSELAE IgM		2
BARTONELLA HENSELAE IgG		2
C. PNEUMONIAE IgA		3

Tests		Amount
B. PERTUSSIS IgG		1
BRUCELLA IgG		2

Tests		Amount
BORRELIA IgG		1
C. PNEUMONIAE IgG		1

Selected tests will require displayed strip assays.



Home



Print

Open Lid



Continue

Load Strips

37° User: vcell

VirCliaPlus

0107

0.01.66

Service

Admin
Settings

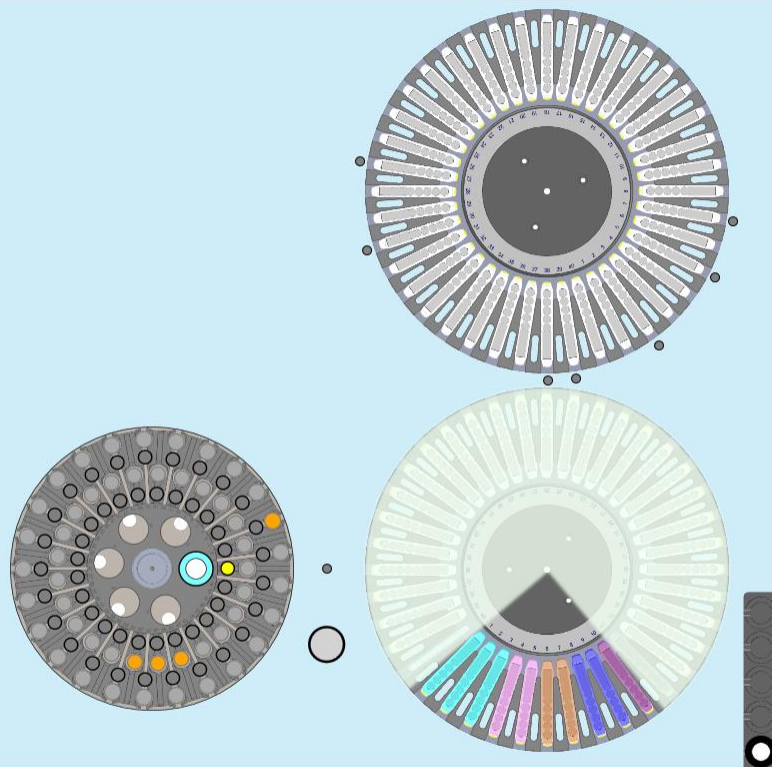
Restart

Log Out

Archive

0

Events



Load strips in highlighted positions. (1/2)



Home

Open Lid



Continue

TEST REPORT



Worklist Report
Worklist Name: 2014_03_26_10_34_44
Operator Name:
Date: 3/26/2014 10:14:59 AM
Instrument ID: TB 228
Temperature: 37.0 °C

Patient ID: 12345	Index: 2.308	Result: POSITIVE
Test: HSV-1 IgG Lot: 13C031102 Exp Date: 2014/12	RLU Cal: 3.0345 RLU NC: 0.364 RLU Sample: 7.0025	2.0 < RLU Cal < 7.0 RLU NC < 2.0 ☒ QC Passed ☒ QC Passed

Patient ID: 12345	Index: 2.308	Result: POSITIVE
Test: HSV-1 IgG	RLU Cal: 3.0345	2.0 < RLU Cal < 7.0 ☒ QC Passed

Patient ID: 12345	Index: 2.308	Result: POSITIVE
Test: HSV-1 IgG Lot: 13C031102 Exp Date: 2014/12	RLU Cal: 3.0345 RLU NC: 0.364 RLU Sample: 7.0025	2.0 < RLU Cal < 7.0 RLU NC < 2.0 ☒ QC Passed ☒ QC Passed

Patient ID: 12345	Index: 2.308	Result: POSITIVE
Test: HSV-1 IgG Lot: 13C031102 Exp Date: 2014/12	RLU Cal: 3.0345 RLU NC: 0.364 RLU Sample: 7.0025	2.0 < RLU Cal < 7.0 RLU NC < 2.0 ☒ QC Passed ☒ QC Passed

Patient ID: 12345	Index: 2.308	Result: POSITIVE
Test: HSV-1 IgG Lot: 13C031102 Exp Date: 2014/12	RLU Cal: 3.0345 RLU NC: 0.364 RLU Sample: 7.0025	2.0 < RLU Cal < 7.0 RLU NC < 2.0 ☒ QC Passed ☒ QC Passed

SAMPLE ID

- Name of test/s
- Index Signal/Cut-Off value
- Individualized RLU value
- final outcome: *Positive, negative or equivocal.*

Single test Assay validation

- Neg Ctrl, Calibrator RLU values
- QC rules validation
- QC Pass yes or not

TEST MENU



BACTERIAL RESPIRATORY
INFECTIONS



VIRAL RESPIRATORY
INFECTIONS



VACCINE-PREVENTABLE
INFECTIONS



SEXUALLY TRANSMITTED
INFECTIONS



TORCH INFECTIONS



VECTOR-BORNE INFECTIONS



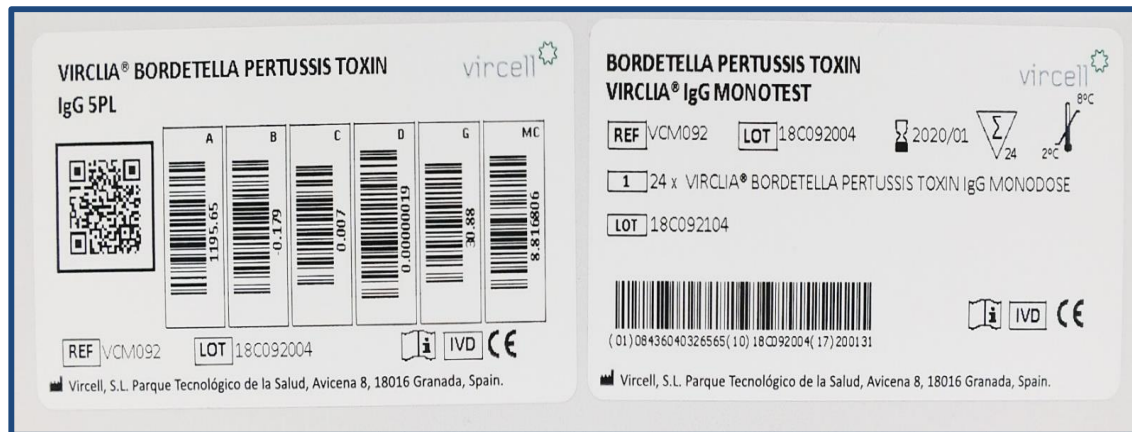
ZOONOTIC INFECTIONS



OTHER INFECTIONS

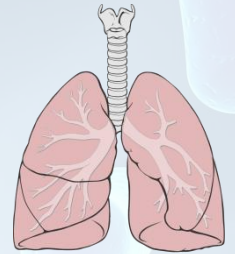
ASSAY TYPE

- Qualitative
- Quantitative
- Avidity



Patient ID: A-72-093			
		Concentration (Avidity): 0.736	Result: High avidity
Test: aaaaTOXOPLASMA IgG AVIDITY_1-20_31MAY17	RLU LAVControl: 0.1037	LAVCONTROL_1 / LAVCONTROL_2 < 0.3	✓ QC Passed
Lot:	RLU HAVControl: 0.8352	HAVCONTROL_1 / HAVCONTROL_2 >= 0.6	✓ QC Passed
Exp Date: 2012/05	RLU Sample: 0.7360		
		Concentration: 5.248	
Test: aaaaTOXOPLASMA IgG AVIDITY_1-20_31MAY17	RLU LAVControl: 2.9293	LAVCONTROL_2>2 AND LAVCONTROL_2<7	✓ QC Passed
Lot:	RLU HAVControl: 3.9301	HAVCONTROL_2>2 AND HAVCONTROL_2<7	✓ QC Passed
Exp Date: 2012/05	RLU Sample: 20.6255		

RESPIRATORY PANEL BACTERIA #12



- BORDETELLA PERTUSSIS TOXIN VIRCLIA® IgG quantitative
- CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgA
- CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgG
- CHLAMYDOPHILA PNEUMONIAE VIRCLIA® IgM
- COXIELLA BURNETII VIRCLIA® IgG
- COXIELLA BURNETII VIRCLIA® IgM
- DIPHTHERIA VIRCLIA® IgG quantitative
- LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgG
- LEGIONELLA PNEUMOPHILA SG 1 VIRCLIA® IgM
- LEGIONELLA PNEUMOPHILA SG 1-6 VIRCLIA® IgG + IgM
- MYCOPLASMA PNEUMONIAE VIRCLIA® IgG
- MYCOPLASMA PNEUMONIAE VIRCLIA® IgM

RESPIRATORY PANEL VIRUS

#7

- ADENOVIRUS VIRCLIA® IgG
- INFLUENZA A VIRCLIA® IgG
- INFLUENZA B VIRCLIA® IgG
- PARAINFLUENZA 1 VIRCLIA® IgG
- PARAINFLUENZA 2 VIRCLIA® IgG
- PARAINFLUENZA 3 VIRCLIA® IgG
- RESPIRATORY SYNCYTIAL VIRUS VIRCLIA® IgG



VACCINE PANEL #11

- HHV-6 VIRCLIA® IgG
- HHV-6 VIRCLIA® IgM*
- MEASLES VIRCLIA® IgG
- MEASLES VIRCLIA® IgM
- MUMPS VIRCLIA® IgG
- MUMPS VIRCLIA® IgM
- TETANUS VIRCLIA® IgG quantitative
- PARVOVIRUS VIRCLIA® IgG
- PARVOVIRUS VIRCLIA® IgM capture
- VARICELLA-ZOSTER VIRCLIA® IgG
- VARICELLA-ZOSTER VIRCLIA® IgM



ETS PANEL #6

- CHLAMYDIA TRACHOMATIS VIRCLIA® IgA
- CHLAMYDIA TRACHOMATIS VIRCLIA® IgG
- CHLAMYDIA TRACHOMATIS VIRCLIA® IgM
- SYPHILIS VIRCLIA® IgG
- SYPHILIS VIRCLIA® IgG+IgM
- SYPHILIS VIRCLIA® IgM



TORCH PANEL #12



- CYTOMEGALOVIRUS VIRCLIA® IgG
- CYTOMEGALOVIRUS VIRCLIA® IgG AVIDITY
- CYTOMEGALOVIRUS VIRCLIA® IgM
- HERPES SIMPLEX 1 VIRCLIA® IgG
- HERPES SIMPLEX 1+2 VIRCLIA® IgG
- HERPES SIMPLEX 1+2 VIRCLIA® IgM
- HERPES SIMPLEX 2 VIRCLIA® IgG
- RUBELLA VIRCLIA® IgG quantitative
- RUBELLA VIRCLIA® IgM
- TOXOPLASMA VIRCLIA® IgG quantitative
- TOXOPLASMA VIRCLIA IgG AVIDITY
- TOXOPLASMA VIRCLIA® IgM

VECTOR PANEL

#19



- BORRELIA VIRCLIA® IgG
- BORRELIA VIRCLIA® IgM
- CHAGAS VIRCLIA® IgG+IgM
- CHIKUNGUNYA VIRCLIA® IgG
- CHIKUNGUNYA VIRCLIA® IgM
- DENGUE VIRCLIA® IgG
- DENGUE VIRCLIA® IgM
- DENGUE VIRCLIA® NS1 Ag*
- LEISHMANIA VIRCLIA® IgG+IgM
- RICKETTSIA CONORII VIRCLIA® IgG
- RICKETTSIA CONORII VIRCLIA® IgM
- ROSS RIVER VIRUS® IgG
- ROSS RIVER VIRUS® IgM
- TICK BORNE ENCEPHALITIS VIRCLIA® IgG
- TICK BORNE ENCEPHALITIS VIRCLIA® IgM
- WEST NILE VIRCLIA® IgG
- WEST NILE VIRCLIA® IgM
- ZIKA VIRCLIA® IgG MONOTEST
- ZIKA VIRCLIA® IgM MONOTEST

ZOONOSIS PANEL #6

- BARTONELLA VIRCLIA® IgG
- BARTONELLA VIRCLIA® IgM
- BRUCELLA VIRCLIA® IgG
- BRUCELLA VIRCLIA® IgM
- HYDATIDOSIS VIRCLIA® IgG
- TULAREMIA VIRCLIA® IgG+IgM



FUNGI PANEL

#2

- INVASIVE CANDIDIASIS (CAGTA) VIRCLIA® IgG
- ASPERGILLUS GALACTOMANNAN Ag VIRCLIA® MONOTEST
- B D GLUCAN (on research)

OTHERS

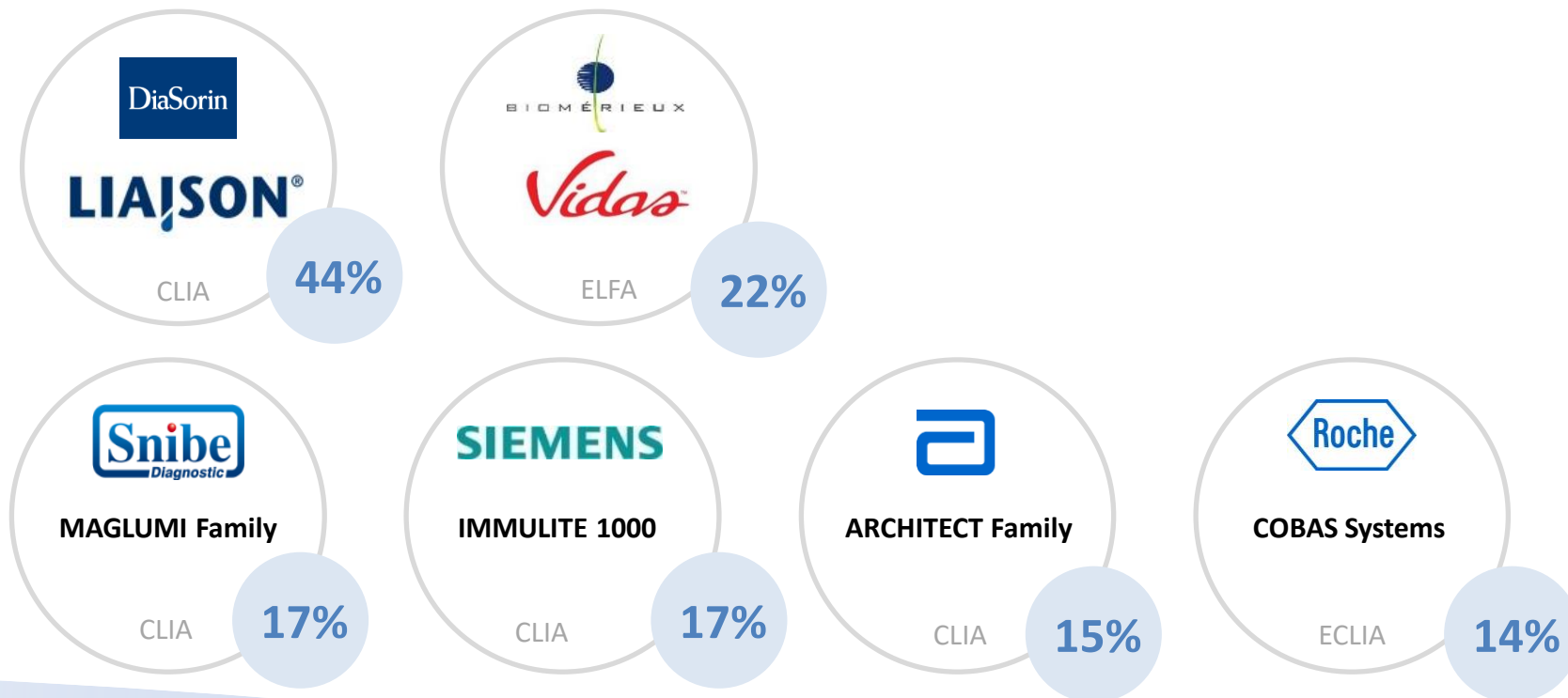
#9

- EPSTEIN-BARR EBNA VIRCLIA® IgG
- EPSTEIN-BARR VCA VIRCLIA® IgG
- EPSTEIN-BARR VCA VIRCLIA® IgM
- EPSTEIN-BARR HETEROPHILE ANTIBODIES VIRCLIA®
- HEPATITIS E VIRCLIA® IgG
- HEPATITIS E VIRCLIA® IgM capture
- HELICOBACTER PYLORI VIRCLIA® IgA
- HELICOBACTER PYLORI VIRCLIA® IgG
- LEPTOSPIRA VIRCLIA® IgM



OTHER SOLUTIONS

Overlapping with VirClia ID panel



VIRCLIA® BENEFITS

Monotest



- Increase Patient Care
 - **Results at day 0**
 - Right diagnostic decisions on time!
 - Esoteric assays reported same day
 - No cumulation; No sending-out
- Plug & Play
 - Easiest and quickest procedure
 - Primary tube
 - No Manipulation, No Mistakes

VIRCLIA® BENEFITS

Continuous Loading



- Fully automated Random-Access
- Any Sample, Any Test, Any Time
- STAT Samples
- 1 Hour Time to First Result
- 30 seconds next result

VIRCLIA® BENEFITS

Cost Effective



- 1 Test = 1 Patient result
- 1 Kit = 24 reportable results
- No Hidden costs
 - No extra tests for controls
 - No extra tests for calibrators

VIRCLIA® BENEFITS

Cost Effective

- Long shelf life
- 15 months from 1st to last strip
- Lower expired reagents:
 - ≈ 12 months to run a 24 test Kit
 - No Low on-board shelflife CLIA
 - No Low open Elisa Plate shelflife



VIRCLIA® BENEFITS

Flexibility



- Adapts to any Clinical Lab size
 - Small/Medium Lab: Routine samples
 - Big Lab: 2nd opinion screening
- Any Primary tube, Cup or Lab tube
- Any Sample Barcode
- Allows several runs or continuous Loading in a single shift of work
- No send-out samples

Safety



- Full traceability
- Positive Sample Identification
 - Barcode Samples
 - Right position Samples
- QR Barcode Reagents

Reliability

Index: 2.308

RLU Cal: 3.0345

RLU NC: 0.364

RLU Sample: 7.0025

$2.0 < \text{RLU Cal} < 7.0$

$\text{RLU NC} < 2.0$

- Cut-Off control in every strip
- QC Validation and Interpretation in every strip
- No stored curves
- No additional controls
- No additional calibrators

Test Menu

80

- Biggest Assay menu on Infectious Diseases
- 100% assay compatible
- Any test combination
- No more send out samples



BACTERIAL RESPIRATORY
INFECTIONS



TORCH INFECTIONS



VIRAL RESPIRATORY
INFECTIONS



VECTOR-BORNE INFECTIONS



VACCINE-PREVENTABLE
INFECTIONS



ZOONOTIC INFECTIONS



SEXUALLY TRANSMITTED
INFECTIONS

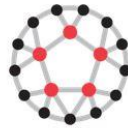


OTHER INFECTIONS

QUALITY AND PERFORMANCE



VIRCLIA[®] EXTERNAL QUALITY CONTROLS



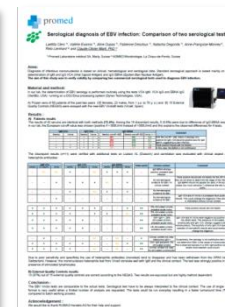
Parameters:

Bordetella pertussis, Borrelia, Brucella, Chagas, *Chlamydia pneumoniae*, CMV, Dengue, EBV, H. pylori, HSV, Hydatidosis, Measles, Mumps, *Mycoplasma pneumoniae*, Parvovirus, Rubella, Syphilis, Toxoplasma, VZV

VIRCLIA® SCIENTIFIC PUBLICATIONS

> 45 Papers on > 15 parameters

- Adenovirus (1)
- *Bordetella pertussis* (2)
- Borrelia (2)
- *Candida albicans* (11)
- *Chlamydia pneumoniae* (2)
- *Chlamydia trachomatis* (1)
- *Coxiella burnetii* (3)
- Dengue (2)
- Epstein Barr Virus (2)
- Hepatitis E (4)
- Hydatidosis (1)
- *Legionella pneumophila* (2)
- Measles (5)
- *Mycoplasma pneumoniae* (5)
- *Rickettsia conorii* (1)
- RSV (1)
- Syphilis (2)
- Tularemia (2)
- Varicella Zoster Virus (2)



WHAT DO I WANT FOR MY LAB?

UNIFY ALL INFECTIOUS SEROLOGY TESTING IN ONE SYSTEM



BACTERIAL
RESPIRATORY
INFECTIONS



VIRAL
RESPIRATORY
INFECTIONS



TORCH
INFECTIONS



VECTOR-BORNE
INFECTIONS



VACCINE-
PREVENTABLE
INFECTIONS



SEXUALLY
TRANSMITTED
INFECTIONS



ZOOONOTIC
INFECTIONS



FUNGAL
INFECTIONS

Behind a Sample,
there is always a Patient...



vircell
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