



MiCo BioMed

ROBERT AND JACOB PARTNERS

M SADEX
groep

The total solution for testing COVID 19

Fastest RT PCR Point of Care test in the world

Inno Care BV (2020),
Marie Curiestraat 2b, 3846 BW Harderwijk
The Netherlands info@byinnocare.com





MiCo BioMed

COMPANY OVERVIEW

About the MiCo Group

1500 employees, 2 subsidiaries and 7 factories worldwide



MiCo BioMed (Listed Company)

Total IVD PROCT (2009)

- ▼
- MiCo Biomed USA (2018)
- ▼
- Semiconductor part provider (1996)



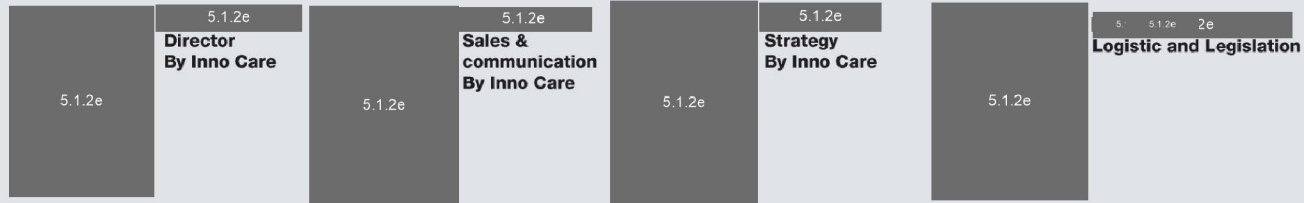


MiCo BioMed

COMPANY OVERVIEW

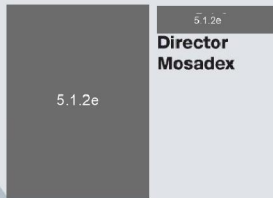
INNO IS OFFICIAL DISTRIBUTER OF THE MICO BIOMED

About Inno Care



DISTRIBUTION PARTNER FOR EUROPE: MOSADEx (1986)

About Mosadex



Every day we offer optimal care and services to more than 800 affiliated independent pharmacies, 465 Service Pharmacies, 250 healthcare institutions, 410 drugstores and more than 11 million (healthcare) consumers in the Netherlands. Through the right mix of knowledge, experience and cooperation, we are your guide in delivering preventive, safe and effective care.





Fastest RT PCR test in the world



Veri-Q PREP M16
✓
STEP 1
5-35 minute
for DNA/ RNA extraction

+

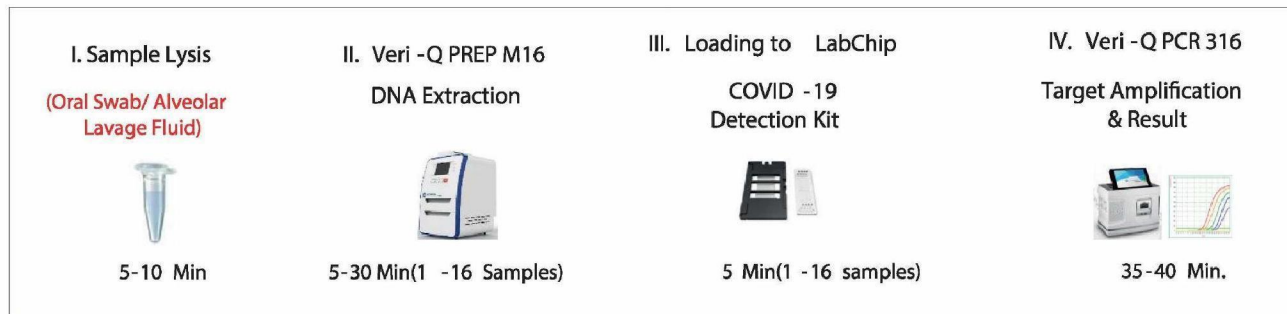


Veri-Q PCR 204/316
✓
STEP 2
25-40 minute
for RT & 45 cycles of real-time PCR

USP's

- > Fastest preparation
- > Fastest RT PCR test in the world
- > Only LOC (Lab on a chip) PCR machine in the world
- > Stand alone, light weight, battery operating if desired
- > Highest reliability of 99.994%
- > Datatransfer via Smart Phone
- > On departure, the least chance of infected travellers on the airport/on the plane
- > On arrival, a selection of positive travellers who need to be quarantined
- > Listed company
- > Full service in Europe
- > Proven concept (for SARS virus in Asia)
- > Suitable for multiple tests/illnesses

MOLUCULAIR DIAGNOSIS



Results on your mobile



Receiving inspection results



MiCo BioMed

COVID 19

RNA EXTRACTION FEROM SAMPLES

UPPER TRACK

Throat Swab **Nasopharyngeal Swab**



Liquid Sample



PREP M16





INTERGRATED (SAMPLE PREP + RT-QPCR) POCT SYSTEM

- ❖ LabChip-based POCT
- ❖ Sample prep (5-10 min)
- ❖ Detection (10-30 min)
- ❖ Sensitivity / Specificity (> 95%)
- ❖ Medical / Food / Animal /
Environmental / Bio Defense Fields



Integrated POCT




MiCo BioMed

MOLECULAR DX

HIGH-END TECHNOLOGY: LOC RT-PCR

Only available solution of LOC RT-PCR in theWorld (made in Korea)



VERI -Q Prep M16 (G2 -16TU)

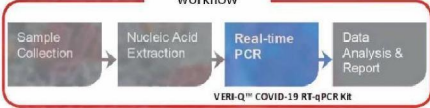
- 1 - 16 samples at the same time
- Extraction in 5 - 30 min.

L.O.C. - (Lab On a Chip)




Fast: ~within 40 Minutes

workflow



VERI-Q™ COVID-19 RT-qPCR KIT



VERI -Q PCR 316


- Accuracy of **99.994%**
- Small sample needed - 3 to 6 ul
- 25 - 35 min. for 45 cycles
- 14 samples at the same time






MiCo BioMed

MOLECULAR DX

SAMPLE PREP COMPARISON

<p>Mico BioMed Veri-Q PREP M16</p> 	<p>Speciman type Blood, serum, plasma, swab, tissue, sputum, food, etc.</p> <p>Test number 1 - 16</p> <p>Principle Glass fiber filter</p> <p>Tube type </p> <p>Running time 5 - 35 min</p> <p>weight 12 kg</p> <p>Etc Semi-automation</p>
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SIMILAR TYPE

	Company "A" (A00)	Company "B" (C00)	QiaCube
			
Speciman type	Blood, serum, plasma, respiratory swab, etc.	Blood, serum, plasma, respiratory swab, etc.	Blood, serum, swab, tissue, sputum, etc.
Test number	1 - 16	1 - 8	1 - 12
Principle	Magnetic bead Cartridge type	Magnetic bead	Glass fiber filter ube type
Running time	30 - 60 min	30 - 60 min	50 - 80 min
weight	11 kg	5kg	70 kg
Etc	Semi-automation	Semi-automation	Semi-automation




MiCo BioMed

MOLECULAR DX

LABCHIP-BASED REAL TIME PCR

LabChip-type
Real-time PCR

Mico BioMed
(veri-Q PCR316)



Test number	16
Tube type	LabChip
Fluorescent channels	41
Running time	25-40 min
Weight	4.7 kg

- Stand-alone
- Fast running time
- Battery operation
- Bluetooth/Data Transfer via Smart Phone
- Printing out
- Affordable

SIMILAR TYPE

Tube-type
Real-time PCR

Company "A" (A00)



Test number	96
Tube type	plate /strip
Fluorescent channels	5
Run time (45 cycles)	60-180 min
Weight	35 kg

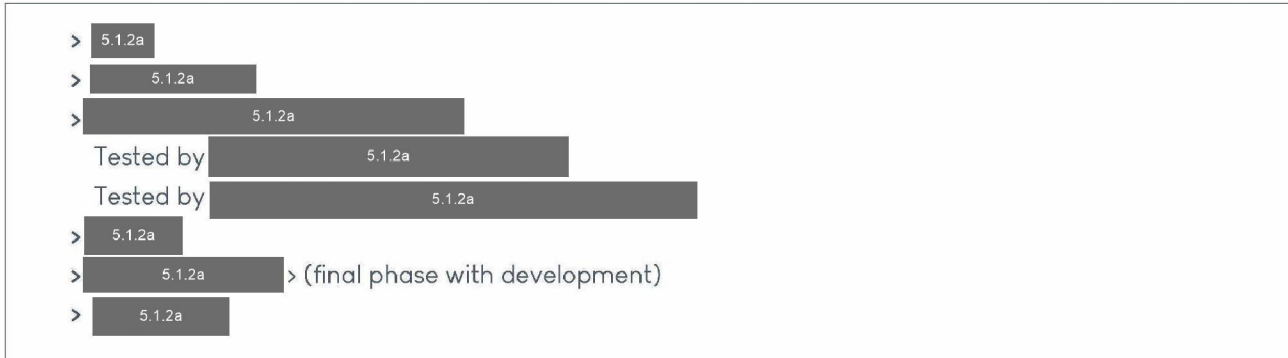
Company "B" (C00)



Test number	96
Tube type	plate /strip
Fluorescent channels	5
Run time (45 cycles)	60-180 min
Weight	30 kg




COUNTRIES WE ALREADY WORK WITH:



USED IN BIG EVENTS:

- > World Cup Soccer U20(2017) > Ebola
- > 5.1.2a Winter Olympic Games (2018) > Ebola
- > World Championships Swimming (2019) > Ebola

MBM MOLECULAR DIAGNOSTIC KITS

	Clinical* and Animal	Tropical Fever	Food Pathogen		
1	HBV	Coxiella burnetii	Bacillus anthracis	Salmonella spp. Kit	
2	HCV Subtypes	Rickettsia powazekii	Yersinia pestis	Listeria monocytogenes Kit	
3	HIV Subtypes	TG, typhus group	Burkholderia pseudomallei	Staphylococcus aureus Kit	
4	MTB	Bruceella abortus	Burkholderia mallei	Bacillus cereus Kit	
5	MTB/NTM	Bruceella melitensis	Francisella tularensis	Enterohemorrhagic E.coli(EHEC-stx1) Kit	
6	MTB/MDR	Bruceella suis	Bruceella spp.	Enterohemorrhagic E.coli(EHEC-stx2) Kit	
7	STD (GC/NG)	Francisella tularensis subsp. Tularensis (A)	Clostridium botulinum	Yersinia enterocolitica Kit	
8	HPV (16/18)	Francisella tularensis subsp. Holartica (B)	Vibrio cholerae	Shigella spp. Kit	
9	Influenza (A/B/RSV)	Francisella tularensis subsp. Novicida (C)	Vaccinia virus	Clostridium perfringens Kit	
10	Aivian Influenza Virus (M/H5)	Clostridium botulinum neurotoxin type A	Monkeypox virus	Campylobacter jejuni Kit	
11	Aivian Influenza Virus (H7)	Clostridium botulinum neurotoxin type B	Varicella zoster virus	Campylobacter coli Kit	
12	African Swine Fever Virus	Clostridium botulinum neurotoxin type E	Variola virus	Vibrio parahaemolyticus Kit	
13	Kit Componets 	Clostridium botulinum neurotoxin type F	Rift valley fever virus	Vibrio cholerae Kit	
14		Ricinus communis	Yellow fever virus	Vibrio vulnificus Kit	
15		Ebola virus	Hantaan virus	Targets included in Fever Panel 1. Malaria (Pan/Pf/ Pv), 2. Zika 3. Dengue 4. Chikungunya 5. Oriental Tsutsugamushi 6. Rickettsia 7. Leptospira	8. Samonella typhi 9. Creamian - congo haemoligic fever 10. Brucella 11. Hepatitis E 12. Bartonella 13. Burkholderia 14. Streptococcus pneumonia
16		Marburg virus	16S rRNA		
17		Lassa virus	Rnase P		
18		Crimean - congo haemorrhagic fever virus			