



Microsherlock

Personalized your Q-PCR panels for infectious and microbiological contaminants

MicroSherlock

Gastro- Enteric panel
Ocular infection panel
Sepsis universal panel
Urinary tract infection
Food/Feed/Wine panel

Our Solutions

- **Microsherlock** : preloaded MIC PCR panels
- **MagSPYD** : manual or automated (1 to 96 prep or 1 to 16) for total RNA/DNA extraction

Rapid personalized DNA/RNA test (3 hours) infectious-microbial panels :

Gastro- Enteric panel (26 bacteria-parasite-virus) from stool specimen

Ocular infection panel (10 bacteria-parasite-virus) from eye swab specimen

Sepsis universal panel (all gram+, gram- and yeast & fungus) from blood

Urinary tract infection panel (10 bacteria) from filtered urine specimen

Food/Feed/Wine contamination panel (bacteria - yeast & mold - virus)

Personalize your panel

List of Q-PCR for your personalized panels

- Gastro- Enteric panel (26 bacteria-parasite-virus) from stool specimen
 - ✓ Aeromonas spp
 - ✓ Aeromonas hydrophila
 - ✓ E.coli O157 H7
 - ✓ Vibrio spp
 - ✓ Vibrio cholerae
 - ✓ Vibrio parahaemolyticus
 - ✓ Salmonella spp.
 - ✓ Salmonella enterica
 - ✓ Shigella spp. /EIEC
 - ✓ Campylobacter spp.
 - ✓ Campylobacter coli
 - ✓ Campylobacter jejuni
 - ✓ Clostridium difficile toxin B
 - ✓ Clostridium difficile toxin A
 - ✓ EHEC, Shiga-toxin genes stx1 and stx2 (STEC)
 - ✓ Salmonella spp.
 - ✓ Yersinia enterocolitica
 - ✓ Blastocystis genus
 - ✓ Cyclospora cayetanensis
 - ✓ Giardia lamblia (intestinalis)
 - ✓ Entamoeba histolytica
 - ✓ Cryptosporidium spp.
 - ✓ Adenovirus (40/41 et 52) groupe F
 - ✓ Sapovirus
 - ✓ Norovirus (I/II)
 - ✓ Rotavirus

- Ocular infection panel (10 bacteria-parasite-virus) from eye swab specimen
 - ✓ Acanthamoeba species
 - ✓ Cytomegalovirus (HHV5)
 - ✓ Chlamydia trachomatis
 - ✓ Epstein Barr virus (HHV4)
 - ✓ Herpes simplex Type 1 and 2 (HHV 1&2)
 - ✓ VZH (HPV3)
 - ✓ ADV Aleutian Disease virus
 - ✓ Toxoplasma gondii
 - ✓ Enterocytozoon bienersi
 - ✓ Encephalitozoon intestinalis

- Sepsis universal panel (all gram+, gram- and yeast & fungus) from blood
 - ✓ Total Bacterial count
 - ✓ Total Yeast & Mold count

- Urinary tract infection panel (10 bacteria) from filtered urine specimen
 - ✓ Escherichia coli
 - ✓ Klebsiella spp.
 - ✓ Enterobacter spp.
 - ✓ Citrobacter spp.
 - ✓ Proteus mirabilis
 - ✓ Pseudomonas aeruginosa
 - ✓ Ureaplasma spp .
 - ✓ Mycoplasma hominis
 - ✓ Staphylococcus aureus
 - ✓ Enterococcus faecalis

Rapid Panel 4/8/12 Q-PCR

- detection in < 3 hours of **spécific NA** from viable panels to be selected in a specific list:

Microsherlock is a preloaded solution available with the MIC thermocycler instrument
Microsherlock panel kit is 4 selected infectious-microbial targets (384 MIC PCR reactions for 96 specimens)

Customer can order at the same time several panels to cover the analytical need

All panels are analyzed with the same MIC PCR condition

List of available panels and infectious-microbial targets is available on request



Our platform

- **Vortex** or



- **Minilys**

3 positions

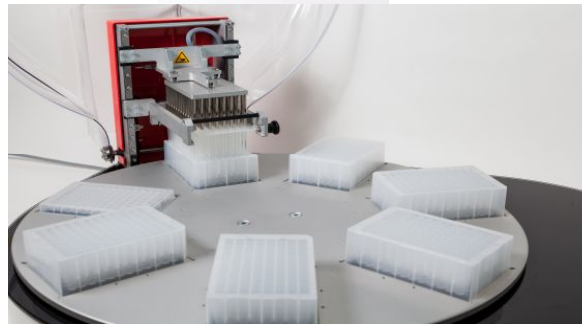


- **or Precelys**

24 positions



- **MagSPYD IDEAL**



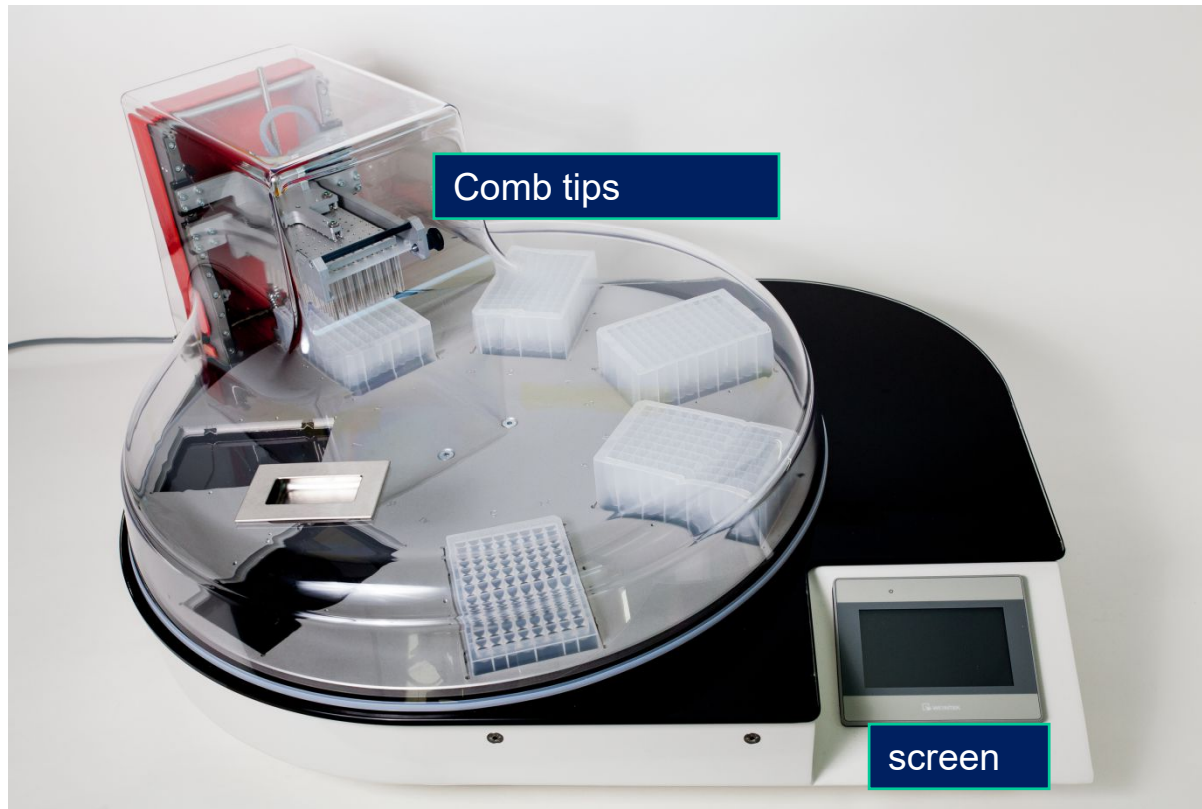
96 prep

- **MIC PCR machin**



48 positions
2 kg/ - 20 cm/20cm
bluetooth
pre-loaded panels
12 samples / panel 4 /run
4 samples/panel 12/run

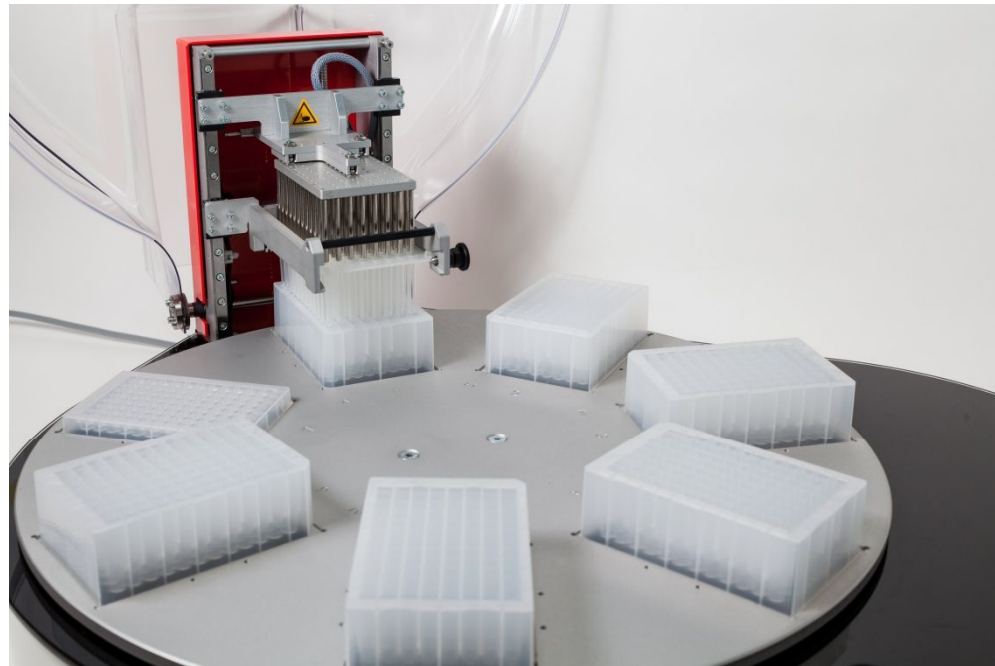
96 wells format



Carrousel format



no fluidic – only
mecanical
Up to 8 ml
35 mn for DNA/RNA
extraction
Elution in 100 μ l



Technical specifications

Parameters	MagSPYD 96
Throughput	1-96 samples
Processing volume per well	500-5000 μ l
Maximum number of samples / cycle	24-96 samples up to 8 mL
Extraction time	Less than 1 hour
Collection efficiency of magnetic beads	>95%
Samples	RNA booster, media, feces, water, urine, plasma, saliva
Internal software	HTML5
Dimensions	720x570x370 mm (WxDxh)
Sound intensity	<70dB
Electricity power	Power 460VA - Fuse 220V AC Intensity 2A - Frequency 50Hz
Manufacturing and conformity	France, CE standard

Key arguments

- **RAPID** : <3 hours
- **DEFINE YOUR PANEL** : select on a available list, order and analyse.
- **PRELOADED PCR TUBES**: 4/8/12 pre-loaded panels , save time, easy to use
- **COST REDUCTION** : 1 NA extraction, 4 to 16 Q-PCR
- **AUTOMATED SOLUTION** : 1 to 96, no fluidic , reduced metrology
- **FLEXIBILITE** : manual or automated, reduced space,
- **SUPPORT** : on line support





*Microsherlock
List of Q-PCR for
your personalized
panels*

**Food/Feed/Wine
contamination
panel
List of available
panels is available
on request**

Personalize your panel

- Gastro- Enteric panel (26 bacteria-parasite-virus) from stool specimen

<ul style="list-style-type: none"> ✓ Aeromonas spp ✓ Aeromonas hydrophila ✓ E.coli O157 H7 ✓ Vibrio spp ✓ Vibrio cholerae ✓ Vibrio parahaemolyticus ✓ Salmonella spp. ✓ Salmonella enterica ✓ Shigella spp. /EIEC ✓ Campylobacter spp. ✓ Campylobacter coli ✓ Campylobacter jejuni ✓ Clostridium difficile toxin B ✓ Clostridium difficile toxin A 	<ul style="list-style-type: none"> ✓ EHEC, Shiga-toxin genes stx1 and stx2 (STEC) ✓ Salmonella spp. ✓ Yersinia enterocolitica ✓ Blastocystis genus ✓ Cyclospora cayetanensis ✓ Giardia lamblia (intestinalis) ✓ Entamoeba histolytica ✓ Cryptosporidium spp. ✓ Adenovirus (40/41 et 52) groupe F ✓ Sapovirus ✓ Norovirus (I/II) ✓ Rotavirus
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<ul style="list-style-type: none"> ✓ Acanthamoeba species ✓ Cytomegalovirus (HHV5) ✓ Chlamydia trachomatis ✓ Epstein Barr virus (HHV4) ✓ Herpes simplex Type 1 and 2 (HHV 1&2) 	<ul style="list-style-type: none"> ✓ VZH (HPV3) ✓ ADV Aleutian Disease virus ✓ Toxoplasma gondii ✓ Enterocytozoon bienersi ✓ Encephalitozoon intestinalis
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- Sepsis universal panel (all gram+, gram- and yeast & fungus) from blood

<ul style="list-style-type: none"> ✓ Total Bacterial count 	<ul style="list-style-type: none"> ✓ Total Yeast & Mold count
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- Urinary tract infection panel (10 bacteria) from filtered urine specimen

<ul style="list-style-type: none"> ✓ Escherichia coli ✓ Klebsiella spp. ✓ Enterobacter spp. ✓ Citrobacter spp. ✓ Proteus mirabilis 	<ul style="list-style-type: none"> ✓ Pseudomonas aeruginosa ✓ Ureaplasma spp . ✓ Mycoplasma hominis ✓ Staphylococcus aureus ✓ Enterococcus faecalis
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THANKS YOU - MERCI



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