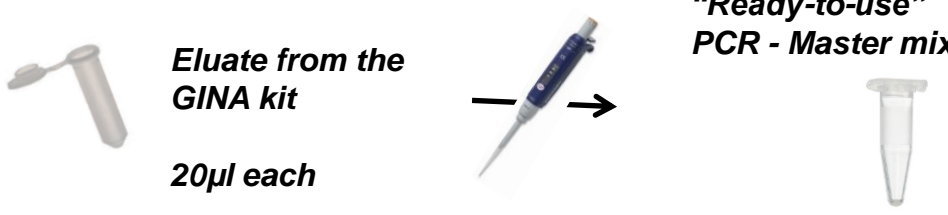


qPCR – Bacteria, Resistance, Fungi, IPC

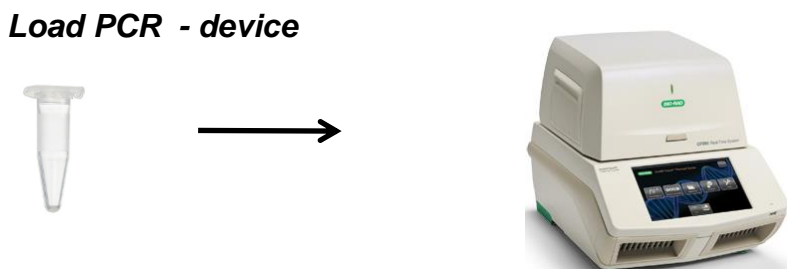


Eluate from the GINA kit
20µl each

“Ready-to-use” PCR - Master mix

Colours:
Red – Bacteria (16S)
Green – Fungi (28S)
Yellow – Resistance
Blue – IPC

Close PCR - Master mixes



Load PCR - device

Validated Thermal cyclers

- Rotor-Gene
- CFX96
- Quantstudio 3/5
- Tpersonal Thermocycler (Biometra)

PCR - protocol:

94°C 1 min.

41 Cycles:
94°C 5 sec.
56°C 10 sec. +plate read
72°C 30 sec.

72°C 1 min.

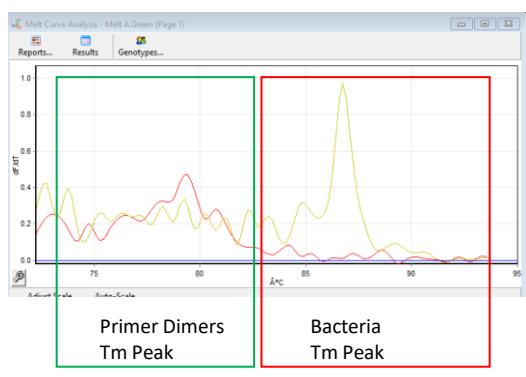
Melt (only qPCR):
75°C to 94°C, increment 0,5°C steps
10 sec. +plate read

25°C (hold)

Fluor: SYBR Green

Start PCR

PCR interpretation (only qPCR)



1. Optional: Check the Internal Process Control (IPC) - PCR:

- Valid, if Cq < 32
- **Discard test results, if IPC is invalid**

2. Interpretation of the Cq and melt curves require laboratory expertise and experience in working with blood or BAL samples.

3. Thermal cyclers may differ in their thermal characteristics, therefore the optimization of the temperatures in the protocol may be recommended (for validated devices) if the results are undesirable.

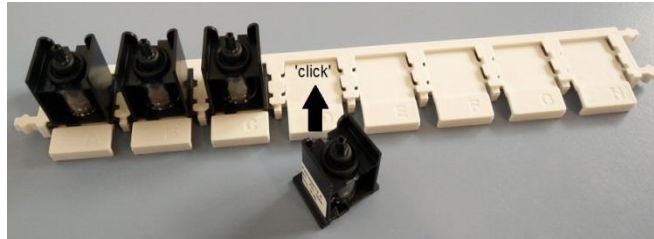
Storage: -25° to -18°C

hybcell – Bacteria, Fungi or Pathogens

Unpack hybcell



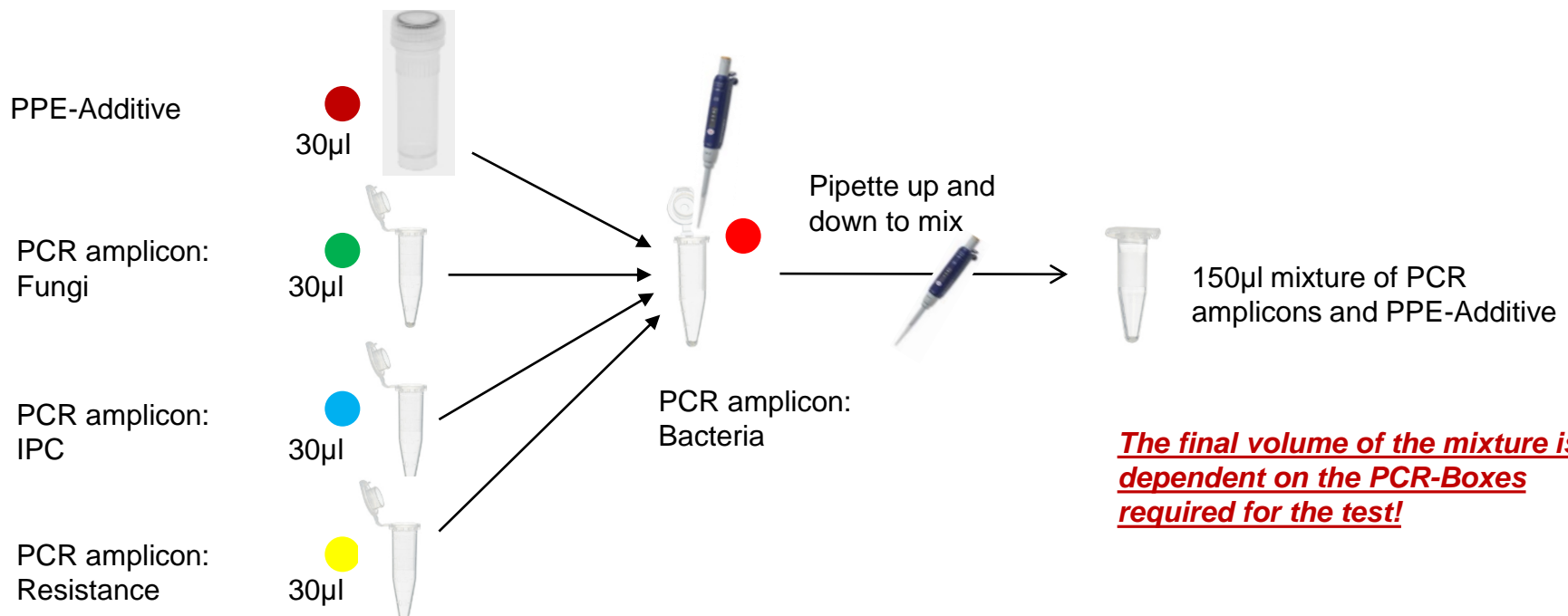
Insert into rack: "click"



	●	●	●	●
	Bac. PCR	Res. PCR	Fun. PCR	IPC PCR
hybcell Bacteria	●	●		●
hybcell Fungi			●	●
hybcell Pathogens	●	●	●	●

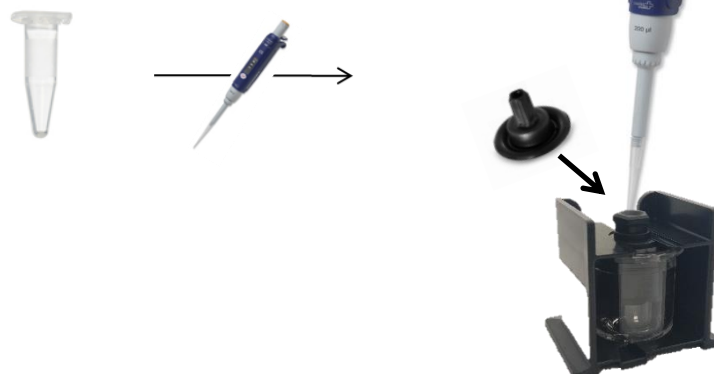


Combine all the desired amplicons (30µl each) into any one of the amplicon tubes. Pipette 30µl of the PPE-Additive into the mixing tube.



Fill the hybcell with the (positive) PCR-amplicon and PPE-Additive mixture

Pipette the entire volume gently and at once!



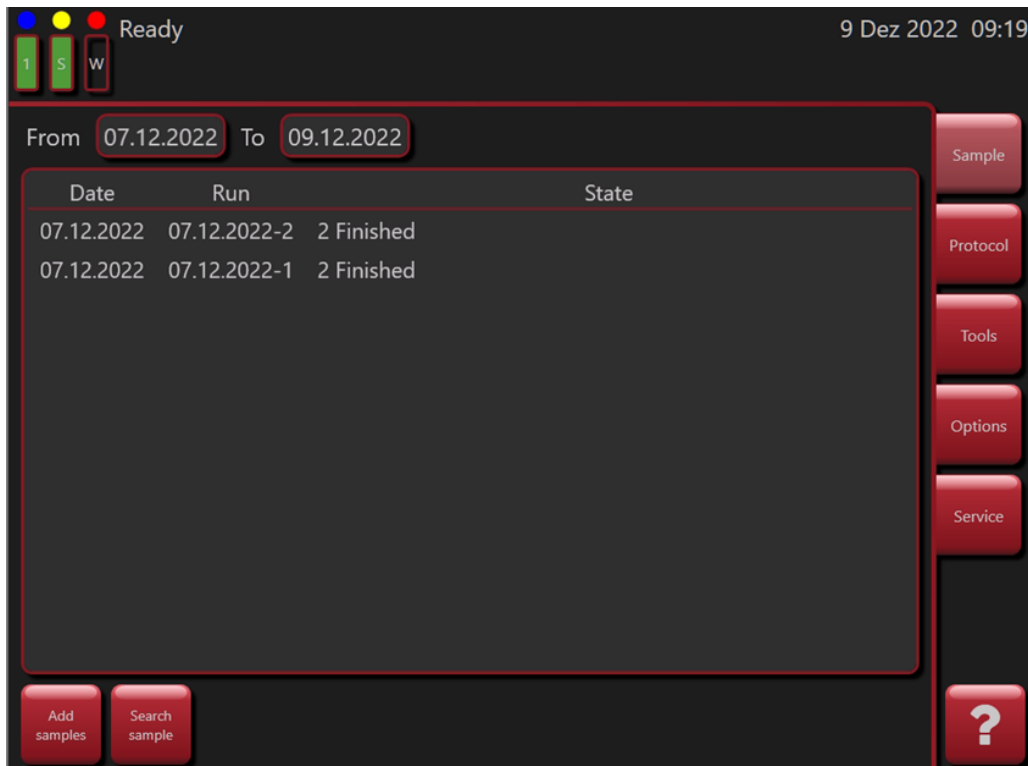
Insert the tip of the pipette deeply into the hybcell!

Try not to wet the hybcell's inside margins!



hybcell – Bacteria, Fungi or Pathogens

Create a run and start



1. Create new sample ("Sample" screen)
2. Insert data (sample ID, hybcell ID)
3. Select samples and start run ("Sample" screen)
4. Insert the rack (Barcode facing inwards) and confirm

