

# hyborg Dx RED2:

## Microbial identification based on hybcell – working with amplicons from geneLEAD VIII

February 2026  
V004

*This brief instructions are based on ,Pathogens xB\_instructions for use\_E\_2025\_07\_01'. In case of contradictory information within this brief instructions, the information in the currently applicable instructions for use for ,Pathogens xB' prevails.*

### Unpack hybcell



Push into rack until you hear a "click"



### Pipette 30 µL PPE-Additive and 40 µL amplicons into the hybcell

**PPE-Additive**

30 µL

40 µL Amplicon (PCR-mix)

Open PCR cassette with tweezers

Close lid!

~ 70µl or 110µl

**Insert the tip of the pipette deeply into the hybcell!**

**Try not to wet the hybcell's inside margins!**

**Bacteria/ (+Resistance)**  
→ hybcell Bacteria DNA xB

**Fungi**  
→ hybcell Fungi DNA xB



### Create a run and start

Ready 9 Dez 2022 09:19

From 07.12.2022 To 09.12.2022

Date	Run	State
07.12.2022	07.12.2022-2	2 Finished
07.12.2022	07.12.2022-1	2 Finished

Barcode: 0000A400000  
Sample: MEIER  
Remark: 750 whole blood  
Profile: Patho xB  
Ready

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



### Example of positive result

Parameters	Result	Min	Representation	Max
Specificity Control	PASSED			
Internal Process Control	PASSED			
<b>BACTERIA</b>				
Bacteria Pan	Positive	50	▾	100000
Gram pos	Positive	50	▾	100000
Staphylococcus sp.	Positive	50	▾	100000
Staphylococcus aureus	Positive	50	▾	100000
<b>FUNGI</b>				
Negative				

Off-profile parameters (9)

Negative parameters (91)

