## Appendix 4: Laboratory experiment result capture form*

EPHI: put PODTEC barcode here

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|---|---|---|
| 1. Stool sample number | ○ 1 (first sample)<br>○ 2<br>○ 3 | *see middle part of code on barcode sticker on aliquot pot* |
| 2. Aliquot number | _ _ | *see last part of code on barcode sticker on aliquot pot* |
| 3. Initials of laboratory technician conducting test: | _____ | |
| 4. Remarks on stool appearance: | ○ looks normal<br>○ overgrown with fungi<br>○ gas formation has caused lid to drop off<br>○ other, specify:<br>_____ | *tick only one* |
| 5. Experiment number: | ○ 1a (sample strategy: 3 different stools) → *Q10*<br>○ 1b (sample strategy: 3 aliquots of 1 stool) → *Q10*<br>○ 2 (storage conditions) → *Q6*<br>○ 3a (processing conditions) → *Q7*<br>○ 3b (maximum mixture storage time) → *Q8*<br>○ 3c (optimum amount of stool processed) → *Q9* | *tick only one* |
| 6. a. Sample storage temperature | ○ Room (20-22$^0$C)<br>○ Incubator (35-37$^0$C)<br>○ Refrigerator (2-6$^0$C)<br>○ Freezer (-20$^0$C) | *tick only one option* |
| b. Sample storage time | ○ 4-6 hours<br>○ 24 hours<br>○ 72 hours (3 days)<br>○ 120 hours (5 days) | *tick only one option*<br>*After filling this question:* → ***Q10*** |

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| 7. a. Sample + SR buffer mixture processing time | ○ 10' + 10'<br>○ 10' + 5'<br>○ 15'<br>○ 10' + 10' vortex | | *tick only one option* |
| 8. a. What was the contact time between sample and SR after initial mixing? | ○ 2 hours<br>○ 5 hours<br>○ 24 hours | | *tick only one option* |
| b. At what temperature was the sample/SR mixture stored? | ○ Room (20-22$^0$C)<br>○ Refrigerator (2-6$^0$C) | | *tick only one option*<br>*After filling this question:* → ***Q10*** |
| 9. Amount of stool tested | ○ 0.3 g<br>○ 0.5 g<br>○ 0.8 g<br>○ 1.0 g<br>○ 1.2 g | | *tick only one option* |
| 10. Date and time of stool processing for Xpert-Ultra started | _ _ /_ _/ _ _ _ _<br>DD / MM / YYYY | _ _ : _ _<br>HH : MM | |
| 11. Date and time of Xpert-Ultra started | _ _ /_ _/ _ _ _ _<br>DD / MM / YYYY<br>☐ test not started, reason:<br>_____ | _ _ : _ _<br>HH : MM | |
| 12. Xpert-Ultra result | ○ MTB trace detected<br>○ MTB detected very low<br>○ MTB detected low<br>○ MTB detected medium<br>○ MTB detected high<br>○ MTB not detected<br>○ Error code: _ _ _<br>○ Invalid<br>○ No result | ○ RIF resistant<br>○ RIF susceptible<br>○ RIF indeterminate | *tick only one option for both the MTB and the RIF result* |

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| 13. Cycle threshold (Ct) values | Probe A: | _ _ | Probe E: | _ _ |
| | Probe B: | _ _ | Probe IS6110/IS1081: | _ _ |
| | Probe C: | _ _ | SPC: | _ _ |
| | Probe D: | _ _ | | |