



IAI INTRA-ABDOMINAL INFECTION SAMPLE HANDLING CARD

A multitude of sample types can be used with the Unyvero IAI Application. They can be categorized into 4 types of sample materials: liquid (peritoneal, pancreas, bile and ascites fluids, as well as pus), solid organic (tissue) and solid inorganic materials (swabs and catheter tips), as well as samples from positive blood culture bottles that had been inoculated with ascites or puncture fluids from intra-abdominal infections. The handling of the different sample materials is described in detail below.

CAUTION: According to sample type, use either the T1 or B1 Sample Tube and Cap. Please pay attention to the corresponding Unyvero IAI Application manual.

LIQUID SAMPLES (CAUTION: DO NOT USE SAMPLES FROM BLOOD CULTURE BOTTLES)



1. Make sure to use the **T1 Sample Tube** and **T1 Sample Tube Cap**.



2. Remove possible air bubbles from the T1 Sample Tube. Then transfer **180 µl** sample into the T1 Sample Tube.



3. To avoid overflowing of the Sample Tube, do not use more than **180 µl** of the sample. The fluid can reach up to the lower rim of the T1 Sample Tube.



4. Seal the T1 Sample Tube with the T1 Sample Tube Cap.



5. Do not place any samples from blood culture bottles into the T1 Sample Tube.

SWABS



1. Starting material: swabs



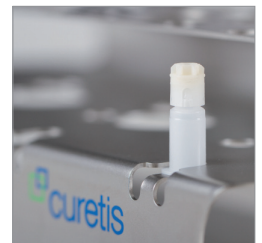
2. Open the Pre-Treatment Tool and thoroughly wash out the swab in the contained solution.



3. Squeeze the swab against the vial wall and remove it.



4. Remove possible air bubbles from the T1 Sample Tube. Then transfer **180 µl** sample into the T1 Sample Tube.



5. Seal the T1 Sample Tube with the T1 Sample Tube Cap.

CATHETER AND DRAINAGE TIPS



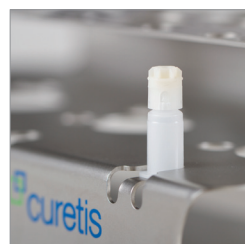
1. Transfer the catheter tip into the Pre-Treatment Tool.



2. Seal the Pre-Treatment Tool and shake thoroughly, or vortex for 30 s.



3. Remove possible air bubbles from the T1 Sample Tube. Then transfer **180 µl** sample into the T1 Sample Tube.

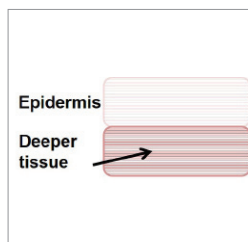


4. Seal the T1 Sample Tube with the T1 Sample Tube Cap.



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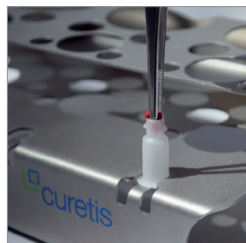
TISSUE



1. Cut the tissue with scalpel/ biopsy punch to a maximum size 3x3x3 mm (27 mm³).



2. Remove possible air bubbles in the T1 Sample Tube. Then transfer tissue pieces directly into the T1 Sample Tube.



3. With tweezers for example.



4. Fill up the T1 Sample Tube with up to **150 µl** buffer from the Pre-Treatment Tool.



5. Seal the T1 Sample Tube with the T1 Sample Tube Cap.

SAMPLES FROM BLOOD CULTURE BOTTLES



1. Make sure to use the **B1 Sample Tube** and **B1 Sample Tube Cap**.



2. Transfer the sample from the blood culture bottle using the standard sampling technique into the B1 Collection Tube.



3. Remove possible air bubbles from the B1 Sample Tube. Then transfer **50 µl** sample into the B1 Sample Tube.
CAUTION: Do not transfer any of the absorption resin beads.



4. Seal the B1 Sample Tube with the B1 Sample Tube Cap.

USEFUL TOOLS



180 µl pipette



Scalpel



Biopsy punch Ø 2 mm



Tweezers



Adapter for blood culture bottles