



## HOW TO COLLECT A URINE SAMPLE FOR URINE CULTURE

This exam must be done before taking any antibiotic therapy or, at least, after 72 hours since the end of an antibiotic therapy

### WHAT YOU NEED

**Adult people:** use a large diameter sterile urine box with screw top

**Children/Babies:** use a sterile adhesive bag suit for children/babies and a large diameter sterile urine box with screw top

### HOW TO COLLECT THE SAMPLE

**Adult people:** collect **mid-stream urine** (*A mid-stream urine sample means you don't collect the first or last part of urine that comes out. This reduces the risk of the sample being contaminated with bacteria*)

- 1. Men:** Retract completely the glans and wash carefully genitals with soap and water  
**Women:** keep the big lips wide open and wash carefully external genitals with soap and water
- 2.** Dry carefully with a towel
- 3.** Start to urinate, discard the first urine stream and collect a sample of urine "mid-stream" in the sterile box. Do not contaminate box edges with hands. Do not fill the box more than half.
- 4.** Screw the lid of the container shut

### Children/babies

- 1.** If the child is not able to urinate spontaneously, use a sterile adhesive bag.
- 2.** Wash suprapubic region and external genitals repeatedly and accurately with soap and water, then rinse
- 3.** Before applying the bag, remove the paper strip put on the adhesive tape.
- 4.** Verify the correct position of the bag by gently pushing the adhesive area
- 5.** Be sure the bag is covering penis and scrotum (for a male child) or urinary meatus and vagina (for a female child)
- 6.** If the child does not urinate within 30 minutes apply a new bag, ask the child to drink some water or put cold water or ice on pubis at bladder level
- 7.** When the child stops urinating, remove the bag, close it immediately, be sure the edges of the bag are matching together. Put the bag in the sterile urine box with screw top
- 8.** Do not collect urine in other ways (e.g. from the diaper)



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### Patients with permanent catheter:

1. 30 minutes before starting collecting the urine, close the catheter under the bag joint using a tongs,
2. In catheter models with hub: collect directly from hub by using a sterile syringe
3. In catheter models without hub: disinfect the catheter, then collect some milliliters of urine by puncturing the catheter body with a sterile syringe, put the sample in a sterile urine box with screw top

- **N.B. Do not collect urine from the bag nor disconnect the catheter**

### **DELIVER**

Deliver the sample to the laboratory as soon as possible

- **N.B If the patient does not have the biological material collection container, the laboratory staff will provide the appropriate container.**

**For biological samples No manipulation, transfer, aliquotation, etc. are required. by users.**