

<b>Laboratorio</b> <b>Analisi</b> <b>Mediche</b> <b>•Sant’Ambrogio s.r.l</b>		Sistema Sanitario  Regione Lombardia			All. 2 Carta dei Servizi Pagina 1 di 3
		<b>COLLECTION ARRANGEMENTS OF MOST COMMON          BIOLOGICAL SAMPLES</b>			
DATE	REV.	DRAFTED	APPROVED	DESCRIPTION	
01/04/2023	00	RGQ – L. Daghetta	DIR – Lucia Coppo		

## COLLECTION ARRANGEMENTS OF MOST COMMON BIOLOGICAL SAMPLES

### SPUTUM

**Equipment required:** wide mouth sterile plastic container with screw top on sale in pharmacy or to be freely requested previously to the laboratory.

**Mode:** Rinse carefully the oral cavity gargling with some water; perform a deep expectoration and collect sputum directly in the container. Close it and take it to the laboratory.

### COMPLETE URINALYSIS

**Equipment required:** sterile container on sale in pharmacy or freely provided by the laboratory.

**Mode:** collect the first morning urine just after waking up, directly in the container after a carefully intimate cleaning and present it as soon as possible in laboratory.

**Warnings:** *Do not take antibiotics before the test; do not execute the examination during menstrual flow.*

### 24-HOUR URINE TEST

**Equipment required:** Bin with screw top on sale in pharmacy, or freely provided by the laboratory.

**Mode:** Reject the first morning urine (for example the first one at 7:00 am); from that moment on collect directly in the bin every daily urine until the first one of the following day. During collection keep the container in a cool place, away from the light.

### 24-HOUR ACIDIFIED URINE

**Equipment required:** Bin with screw top on sale in pharmacy, or freely provided by the laboratory.

**Mode:** Reject the first morning urine (for example the first one at 7:00 am); from that moment on collect directly in the bin every daily urine until the first one of the following day. During collection keep the container in a cool place, away from the light.

**Essential for the following urine analysis: HYDROXYPROLINE, SEROTONINE, CATECHOLAMINE, METANEPHRINE, INDOLEACETIC ACID 5-OH, VANILLYL MANDELIC ACID, OXALIC ACID, CITRIC ACID.**

### URINE CULTURE

**Equipment required:** wide mouth sterile plastic container with screw top on sale in pharmacy or freely provided by the laboratory.

**Mode:** Collect the first morning urine in a wide mouth sterile container with screw top: clean carefully the external genitals with a soapy solution, rinse and dry with a clean towel.

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Reject the first stream of urine and collect directly the mid-term urination in the plastic container. Be careful not to contaminate with hands or genitals the edges, the top or the inside of the container.

Close thoroughly the container and take it to the laboratory within 1-2 hours.

### URINE CULTURE OF INFANTS

**Equipment required:** Adhesive steril plastic bags on sale in pharmacy.

**Mode:** Clean carefully external genitals and the surrounding skin with soapy solution, rinse and dry with a clean towel. Apply the adhesive bag by making it adhere to the skin.

After the urination, remove the bag and take it to the laboratory within 1-2 hours.

### URINE FOR CYTOLOGICAL EXAMINATION

**Equipment required:** plastic sterile container with preservative solution in it, to be previously freely requested to the laboratory.

**Mode:** Collect the second morning urine directly in the container with preservative solution. Make sure not to exceed the level line. (relation alcohol-urine 1:1).

Close thoroughly the container and take it to the laboratory.

### SEMINAL FLUID FOR MICROBIOLOGICAL TESTS

**Equipment required:** wide mouth plastic sterile container with screw top on sale in pharmacy.

**Mode:** Avoid sexual intercourses in the 72 hours prior to collection.

Urinate (first morning urine). Clean carefully external genitals and hands. Collect the seminal fluid through masturbation in a sterile container and take it to the laboratory not later than 45 minutes from the collection.

**Warnings:** *do not touch with hands the inside container, avoid the fall of hair.*

### FAECES FOR COPROCULTURE

**Equipment required:** plastic sterile container with collection shovel and screw top, on sale in pharmacy.

**Mode:** Withdraw a little quantity of faeces (equal to a walnut if faeces are solid, or a full spoon if faeces are liquid or semi-liquid). Close carefully and take it to the laboratory as soon as possible.

### FAECES FOR PARASITOLOGICAL TEST

**Equipment required:** plastic container with collection shovel and screw top, on sale in pharmacy.

**Mode:** Lay faeces in a well cleaned vase or pan, do not contaminate it with urine or menstrual blood. Observe carefully the evacuated and if there are little white pieces, put them in the container, withdraw a little quantity of faeces, (equal to a walnut if faeces are solid, or a full spoon if faeces are liquid or semi-liquid) and put it in the container.

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Close thoroughly the container and identify it with the collection serial number, send it to the laboratory as soon as possible, keeping the faeces at room temperature.

**Warnings:** *In the days before the collection, avoid radiological examinations with use of barium, in case of constipation, force an evacuation with a glycerin suppository; avoid using herbal teas or purgatives etc.*

### **FAECES FOR RESEARCH OF OXYURIS VERMICULARIS AND TAENIA SAGINATA EGGS (GRAHAM’S TECHNIQUE)**

**Equipment required:** slide-holder object to be required at the laboratory and transparent adhesive tape, wide not more than 1-2 inches and long not more than 5-7 inches.

**Mode:** on awakening, before getting up, make adhere the adhesive tape to the anal folds. After about 15 minutes remove the adhesive tape and apply it on the slide-holder object.

### **FAECES FOR CHEMICAL PHYSICAL TEST**

**Equipment required:** plastic sterile container with collection shovel and screw top, on sale in pharmacy.

**Mode:** Withdraw a little quantity of faeces, (equal to a walnut if faeces are solid, or a full spoon if faeces are liquid or semi-liquid).

Close thoroughly the container and send it to the laboratory as soon as possible.

### **FAECES FOR HIDDEN BLOOD RESEARCH (ANTIBODIES METHODOLOGICAL ANTI Hb HUMAN)**

**Equipment required:** 3 containers with shovel and screw top, to be required at the laboratory and keep at room temperature until the time of use.

**Mode:** It is recommended to have a layer of toilet paper inside the WC in order to stop the faeces, execute a collection per day for three consecutive days, taking care to withdraw the faeces in different points. Fill out the label with name, surname and date of sampling and apply it on the container.

**Warnings:** *It’s not necessary to follow a special diet before the test, do not execute the test during menstrual period or if you are suffering from hemorrhoids; do not contaminate the faeces with urine.*