

## Blood Collection Preparation

- **Schedule** a morning blood drawing appointment on a **Monday, Tuesday, Wednesday, or Thursday**. Inform the doctor or lab that a centrifuge is needed to prepare the blood specimens. The kit contains all of the tubes required for collection.
- **The child must be fasting** for 12 hours. Do not give the child anything to eat or drink (other than water) after 9:00 the night before blood is drawn.
- **Take** the child's frozen urine specimen (placed in biohazard bag with frozen ice packet) and ALL collection and shipping materials with you to the blood drawing site. This will allow the blood and urine specimens to be shipped together to the lab.



Call 800.522.4762 or visit our website at [www.gdx.net](http://www.gdx.net)

## ION™ Pediatric Profile - Patient Urine Specimen Collection Instructions

This specimen collection kit can be used for the following test(s):

- 0090 Pediatric ION Profile** - Blood/Urine
- 0190 Pediatric ION Profile NY** - Blood/Urine
- 0490 Pediatric ION Profile w/Amino Acids 40** - Blood/Urine
- 0590 Pediatric ION Profile w/Amino Acids 40 NY** - Blood/Urine
- 0068 Chemistries** - Serum\*
- 0088 Neopterin/Biopterin Profile** - Urine\*
- 0031 Vitamin K Assay** - Serum\*
- 0030 UMFA Profile** - Serum\*

**Please Note:** The ION Pediatric Profile requires the patient to collect urine at home. This should be done prior to the blood collection. All specimens, urine and blood, must be shipped together. (Blood collection instructions are explained in the ION Pediatric Profile - Clinician Specimen Collection Instructions.)

### IMPORTANT:

All patient specimens require two unique identifiers (*patient's name and date of birth*), as well as *date of collection*. **Patient's first and last name, date of birth, gender, and date of collection** must be recorded on the **Test Requisition Form** as well as on all tube(s) and/or vial(s), using a permanent marker, or the test may not be processed.

### Specimen

**Serum**, 6 ml (3 tubes, 2 ml each), frozen; **Plasma**, 2.5 - 3 ml, frozen;

**Whole Blood**, room temperature; **Overnight Urine**, 12 ml, frozen

\*\*Additional 2 ml of **serum** is required if ordering #0030 with ION Profile

### Collection Materials

- Clean collection container (NOT included in this kit)
- Urine collection bag (infant only)
- Clear cap plastic vial with thymol preservative
- Disposable pipette

### Shipping Materials

- Plastic shell tube tray
- Absorbent pad
- 3 ice packets
- Test Requisition Form
- Personal Health Assessment Form
- Biohazard bag with side pocket
- Specimen collection kit box
- FedEx® Clinical Lab Pak and Billable Stamp

\*Not available in New York

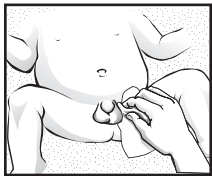
Please read all instructions carefully before you begin.

## Patient Preparation

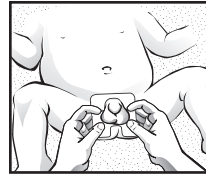
- It is best to **ship your specimen within 24 hours of collection**. Please refer to the enclosed shipping instructions **before** you collect to determine what days you can ship your specimen.
- It is not necessary to discontinue nutritional supplements prior to this specimen collection. Abnormalities that may be found will reveal special needs that have not been met by recent dietary and supplemental intake.
- **Decrease** fluid intake the entire day prior to the overnight/first morning collection to avoid excessive dilution of the urine.
- Vial contains preservative - **Do Not Rinse**.
- When collecting urine from an infant, please **use** the provided urine collection bag. Supplies for preparing the specimen for shipment (disposable pipette, transfer tube, and ice packets) are included in the biohazard bag.
- **Staple** payment to the bottom right-hand corner of the completed Test Requisition Form and Complete the Personal Health Assessment Form; **Fold and Place** them in the side pocket of the biohazard bag.

## Urine Collection

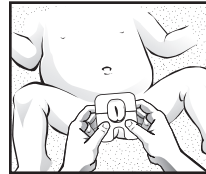
1. **Write patient's first and last name, date of birth, gender, and date of collection** on the Test Requisition Form (located in the pouch on top of the Specimen Collection Kit Box), as well as on all tube(s) and/or vial(s), using a permanent marker.
  - **IMPORTANT:** To ensure accurate test results you must provide the requested information.
2. Have child **empty bladder** before going to bed at night. DO NOT collect this urine.
3. **Collect** child's urine (if any) during the night and the first morning urine into a clean collection container. For infant urine collection, please use the provided pediatric urine collection bag:
4. **Prepare the child** for the urine bag application. **Do not use** any baby oils, lotions, or powders



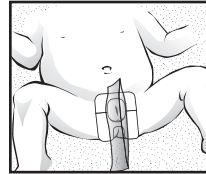
5. **Lay** the child on its back and spread its legs. If the diaper area is wet or soiled, carefully wash with mild soap and rinse with like-warm water. **Move** the washcloth down over the genitals and towards the rectal area towards the genitals. **Do not wash** from the rectal area towards the genitals. After rinsing, **pat dry** and wait a few moments to air dry. **Skin must be dry before putting on the collector**



6. **For a male child, fit** the collector over the penis and testicles before removing the protective paper from the bottom half of the adhesive patch. If the genitals do not easily fit through the opening, do not use the collector. (If the boy is very active, it may be easier to keep all the paper over the adhesive until the collector is in place



7. **For a female child, remove** the protective paper from the bottom half of the adhesive patch. **Keep** the top half of adhesive covered with paper until the bottom half has been stick to the skin. **Holding** the collector, **press** the sides of you hands against her skin to gently stretch it. The first part of the adhesive should touch the skin at the narrow area between the rectum and the genitals. Then **work outward** from this point



8. **Press** the adhesive firmly against the skin and avoid wrinkles. When the bottom part is in place, **remove** the paper from the upper portion of the adhesive. **Work upward** to finish sticking the adhesive to the skin, Again, being careful to avoid wrinkles, press the adhesive all around.

9. As soon as you see urine in the collector, carefully peel the adhesive away from the skin.
10. **Pipette** urine, using a fresh disposable pipette, into the clear cap plastic vial to the 12 ml mark (**DO NOT OVERFILL**).
11. **Screw** the cap on tightly.
12. **Dispose** of remaining urine.
13. **Freeze** the clear cap plastic vial and the ice packet.

**Please Note: It is imperative to collect all urine samples from the child's bedtime to early morning awakening.** If your child wakes during the night, **check** the bag for urine. If urine is present, **remove** the container and empty its contents into a clean container and **refrigerate** the sample. **Reapply** a new urine bag in the manner described by the instructions above. **This must be done for each awakening by the child overnight – making sure to empty the contents of each urine bag collection into the same refrigerated clean container.** After **mixing all** the contents of the urine bags collected overnight into a single clean container, the sample is ready to be transferred into the correct tubes