



AMINO ACIDS TESTING WARNING: Vial contains approximately 120 mg of oxalic acid. KEEP OUT OF REACH OF SMALL CHILDREN. DO NOT INGEST OR INHALE. Wipe spills with a wet towel. In case of contact with skin, wash with soap and plenty of water. In case of accidental contact to eye or ingestion, rinse with plenty of water. Seek medical attention if warranted.

KIT COMPONENTS



- 1. Cardboard box
 - 2. Urine cup
 - 3. Amino acid tube
 - 4. Pediatric collector
 - 5. Silver thermo bag
 - 6. Gel pack
 - 7. Biohazard ziplock bag
 - 8. Absorbent packing sheet
 - 9. UPS Laboratory Pak
 - 10. Test requisition form, paperwork
 - 11. Orange collection container (24 hour collection only) (do not return)
- Pediatric collectors and large orange collection containers are included upon request only.*

BEFORE YOU BEGIN COLLECTIONS

1. Save the cardboard box and place the gel pack flat into the freezer (for at least 4 hours) to ship the sample back to us. **Please ship all your samples in a single package to avoid multiple shipping charges.**
2. Samples may only be sent off to the lab on **Monday or Tuesday.**
3. Please check the specimen requirements below for patient preparation instructions.
4. Only use containers supplied by GPL to avoid contamination of specimens.
5. Fill out the Test Requisition Form completely. Please PRINT clearly.
6. Please do not collect samples during a menstrual cycle.
7. Limit liquid intake starting at 6pm the night prior to collection to avoid sample dilution. Urine must be yellow in color, if urine is clear the sample is too diluted. Discard diluted sample, rinse collection cup in hot water only (no soap), air dry, then re-collect.
8. If you have any questions, please contact us at +1 (913) 341-8949 or CustomerService@gp-labs.com.






For questions about the collection of samples, call Customer Service at +1 (913) 341-8949.

PEDIATRIC COLLECTION BAG INSTRUCTIONS *(for infant collection)*

Overnight collection is acceptable if using a pediatric collector. After collection, DO NOT send the collection bag alone. You may put the entire bag into the collection cup or pour the urine directly from the bag into the collection cup.

1. To collect urine, separate infant's legs. Make sure perineal and pubic areas are clean and dry.
2. Peel off backing paper, exposing hypoallergenic adhesive.
3. For female use: Start from the bottom up with the adhesion at skin flap, separating vagina lips (labia) and work upward. Press firmly to skin surrounding the vagina (labia) with excess of bag toward the feet.
4. For male use: Position penis naturally through bag opening with excess of bag toward the feet. Press adhesive firmly to entire perimeter without puckering.
5. Re-apply diaper directly over bag. We suggest that you cut a hole in the diaper and pull the pediatric collection bag through, which will hold the bag securely in place. If necessary, you may place a second diaper on the outside of the first to prevent bag from irritating the skin.

URINE TESTING REQUIREMENTS

Test	Min.	Items to Discontinue	Urine Collection	After Collection
Amino Acids Urine Test 	25 mL Urine	Discontinue any amino acid supplements 48 hours prior to collection. The test requires no special diet but if you are taking antibiotic medications, please finish the course of medication, and then wait 48 hours before starting collection. Never discontinue prescription medications without first consulting your physician.	Collect the first morning urine in the collection cup provided. Collecting sample prior to eating or drinking is preferred.	Pour some of the urine into the red specimen vial to the fill line – do not underfill, make sure to leave at least 5 mL remaining in collection cup. Secure lids tightly on both the collection cup and specimen vial. Invert vial 5 times to mix urine with the preservative. Freeze both cup and vial until ready to ship. Ship vial and cup with frozen gel pack.
Organic Acids + Amino Acids Combo Test 	35 mL Urine	Avoid apples, grapes, pears, and cranberries as well as their juices or products 48 hours before collection. Avoid arabinogalactan, echinacea, reishi mushrooms, ribose supplements, and any amino acid supplement for 48 hours before collection. The test requires no special diet but if you are taking antibiotic medications, please finish the course of medication, and then wait 48 hours before starting collection. Never discontinue prescription medications without first consulting your physician.	Collect the first morning urine in the collection cup provided. Collecting sample prior to eating or drinking is preferred.	Pour some of the urine into the red specimen vial to the fill line – do not underfill, make sure to leave at least 10 mL remaining in collection cup. Secure lids tightly on both the collection cup and specimen vial. Invert vial 5 times to mix urine with the preservative. Freeze both cup and vial until ready to ship. Ship vial and cup with frozen gel pack.
Amino Acid 24 Hour Urine  <p>Orange Collection Container (do not return)</p>	50 mL Urine	Discontinue any amino acid supplements 48 hours prior to collection. The test requires no special diet but if you are taking antibiotic medications, please finish the course of medication, and then wait 48 hours before starting collection. Never discontinue prescription medications without first consulting your physician.	Begin by collecting the 2nd urination of the day. Urinate into the large orange collection container. Do not return orange container. Continue collecting urine for 24 hours, including the first urination of the next morning. Keep urine refrigerated in between voids.	Mix the urine in the large container. Record the TOTAL VOLUME on the Test Requisition Form. Failure to record the total volume may skew test results. Pour urine into the red-topped vial to the fill line – DO NOT underfill. Pour 5mL of urine into the yellow-top collection cup. Screw lids tightly on both the cup and vial. Invert vial 5 times to mix urine with the preservative. Freeze both cup and vial until ready to ship. Ship vial and cup with frozen gel pack. DO NOT ship the large collection container.

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PREPARING AND SHIPPING SPECIMENS

1. Complete the following documents:

- **Commercial Invoice.** You should see 3 copies of the commercial invoice in the kit if ordered directly from Great Plains Laboratory. Please sign on the bottom left corner of all 3 copies of the commercial invoice. Place all copies into the enclosed plastic pouch and attach to the outside of the UPS Laboratory Pak.
 - **Biological Declaration (India & Australia only).** Fill out consignee information (The Great Plains Laboratory), mark sample for lab research/human non-infectious, and please specify what kind of sample. On the second page, please fill out: Declarant name, contact information, and email (this is your information). Place with the commercial invoices in the plastic pouch attached to the outside of the UPS Laboratory Pak.
 - **Test Requisition Form (TRF).** Please print clearly.
2. Print the patient's full name, time and collection date on the side of the urine cup (and other pour off vials as provided).
 3. Place frozen urine specimen(s) into the biohazard zip-lock bag along with the absorbent packing sheet. Place frozen gel pack and urine sample(s) into the silver thermo bag. Place the silver thermo bag into the cardboard box (UPS may reject package if sample is not in box). Fold and place the completed TRF in the box and close the lid. Place the box in the UPS Laboratory Pak and seal using the adhesive strip.
 4. Please take note of the shipping/tracking number if you would like to track the package.

SHIPPING INSTRUCTIONS

1. For best results, samples should be taken to your local UPS location (preferably toward end of the day to ensure sample(s) remain frozen during transit). To find your closest UPS Store location and hours visit www.ups.com/dropoff. Discounted shipping rates are indicated on the price list if you ship your sample using the UPS return label included in the kit.
2. We charge for the test and the return shipping when we receive the samples, unless it was paid upfront. Shipping charges vary depending on the country.

IMPORTANT NOTES:

- Shipping rates are per package. **Please ship all your samples in a single package to avoid multiple shipping charges.**
- If you do not locate a return label in the kit, please contact us before collecting sample. Do not go to UPS store to ship without our return label or your sample could be stopped by customs.
- Additional charges may apply if your package exceeds 900 grams.
- GPL will not be liable for refunds if the delivery is delayed due to customs or any other reason.
- Shipping charges are subject to change without notice.

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