

1 Patient Identification & Pre-Collection

1

Ask **"Please tell me your name"** — never use yes/no questions. Patients with hearing loss, dementia, or sedation may respond inaccurately.

2

Confirm **date of birth** as a second identifier beyond the patient's name.

3

Label every tube and container with **patient name, date of birth, and collection date** before or immediately after collection.

4

Check the **expiration date** on all tubes before use — discard expired tubes.
***Do not cover expiration date with label**

5

Complete the test requisition form with **all required information** including **payment details**, before proceeding with specimen collection.

2 Test Requirements & Panels at a Glance

Test Name	Specimen	Tube / Container	# Tubes	Amount
BBB Direct Detect – Digital PCR (1-Day Draw)	Blood	EDTA Tube (Purple Top)	1	10 mL/tube
BBB Direct Detect – Digital PCR (3-Day Draw)	Blood	EDTA Tube (Purple Top)	3	10 mL/tube
Bartonella IgG Detect – IFA	Serum	SST Tube (Gold/Yellow Top)	1	5 mL
Lyme Borrelia Direct Detect – Nanotrap®	Urine	Sterile Urine Container	1	≥ 80 mL

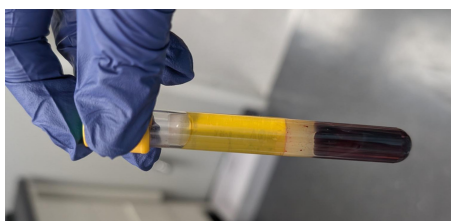
Test Panels at a Glance

Panel 1 — Urine
Panel 2 — Serum
Panel 3 — Blood (1-day)
Panel 4 — Urine + Serum
Panel 5 — Blood + Serum
Panel 6 — Blood + Serum + Urine
Panel 7 ★ — Blood 3-day
Panel 8 ★ — Blood 3-day + Serum
Panel 9 ★ — Blood 3-day + Serum + Urine

★ **3-day draw (Panels 7–9):** Collect 1 tube/day on 3 unique days within 5–8 days. Do NOT collect all on same day. Ship all specimens all together.

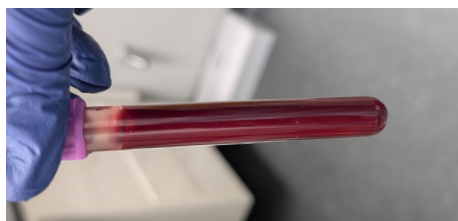
3 Specimen Collection Instructions & Fill Level Reference

Serum — SST Gold/Yellow Top



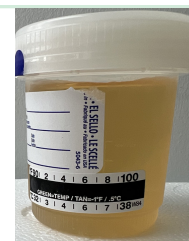
1. Draw **5 mL** blood into SST tube — fill to the indicated line.
2. Invert **5 times** gently after draw.
3. Let stand **30 minutes** at room temperature for complete clot formation.
4. Centrifuge **10–15 minutes at 3,000 RPM**.
5. Ship the **original spun SST tube**. Do NOT pour off or transfer serum to another container.

Whole Blood — EDTA Purple Top



1. Draw **10 mL** whole blood into EDTA tube — fill to the indicated line.
2. Invert **8–10 times** immediately after draw to mix anticoagulant and prevent clotting.
3. Refrigerate immediately at **2–8 °C (35.6–46.4 °F)** — do not freeze.
4. **3-day draw:** Repeat steps 1–4 on each draw day within 5–8 days. Do NOT collect all tubes on the same day.

Urine — Sterile Container



1. Collect at least **80 mL** in the provided sterile container — fill to the 80 mL line.
2. Secure the lid **tightly** immediately after collection.
3. No centrifugation required.
4. Refrigerate immediately at **2–8 °C (35.6–46.4 °F)**.
5. **Do NOT** freeze urine. Frozen samples will be rejected.

4 Best Practices

Serum (SST – Gold/Yellow Top)

- Do not transfer serum; ship original spun tube
- Refrigerate until ready to ship
- Fri–Sun collections can be refrigerated and shipped Monday

Whole Blood (EDTA – Purple Top)

- 3-Day Draw: 3 separate tubes on different days within 5–8 days
- Refrigerate after each draw, hold until final day, then ship all 3 together
- Fri–Sun collections can be refrigerated and shipped Monday
- If a 10 mL tube is not available, multiple 3 mL tubes are acceptable. Please ensure the total collected volume equals 10 mL.

Urine

- Can be collected all at once or in multiple instances within 24 hours
- Do not freeze; refrigerate at 2–8 °C;
- *Must be received within 6 days after collection if stored between 2–8 °C.
- Fri–Sun collections can be refrigerated and shipped Monday

ALL samples must be LABELED, shipped OVERNIGHT Mon–Thurs with a FROZEN cold pack, and include COMPLETED test request forms.

→ Refer to
[Shipping Instructions](#)
on the next page

Disclaimer – Antimicrobial Treatment: In the absence of scientific data, we are unable to provide guidance on how treatments may affect test methods. Unless specifically directed by your practitioner, do not change your treatment regimen before testing.

Kits contain all materials required for sample collection and shipping.

BEFORE PACKING

1 Freeze Cold Pack

- Freeze minimum 24 hours before use.
- Cold pack **MUST** be fully frozen solid.

2 Check Tube Expiration

- Check the expiration date on each blood/serum collection tube before use.
 - Urine collection cups do not have an expiration date.
- *Expired tubes cannot be processed.**

3 Label All Specimens Clearly

- Patient NAME, DOB, and DRAW DATE on each tube/cup.
 - Labels must match the test request form exactly.
 - Please do not cover the sample tube expiration date with labels.
- *Missing Info = sample cannot be processed.**

4 Complete Test Requisition Form

- Fill in all patient, provider & billing info.
 - Double-check every required field is complete.
- *For Recollections: Please write "RECOLLECT" in the Lab Code box on the Test Requisition Form.**

PACKING

5 Seal & Place Tubes/Cups in Pouches

- Ensure specimens are sealed in labeled tubes/cups.
- Place tubes side-by-side in absorbent pouches.
- Add completed test forms to outside pocket.
- Place everything inside the biohazard bag.

6 Place Under Frozen Cold Pack

- Place biohazard bag **UNDERNEATH** the frozen cold pack.
 - Cold pack must be on **TOP** of the biohazard bag.
- Correct orientation is critical for temp control.**

7 Pack in Styrofoam Cooler

- Place all kit components in Styrofoam shipping cooler.
- Secure lid tightly to the cooler.
- Place Styrofoam cooler inside return shipping box.

8 Place in FedEx Clinical Pak

- Place box in FedEx Clinical Pak with prepaid label.
- Do **NOT** use drop boxes — **CALL** for FedEx pickup.
- Ship overnight Monday through Thursday **ONLY**.
- Samples can stay refrigerated **Fri - Sun**

SHIPPING

Schedule FedEx Pickup — You **MUST** Call

9 Schedule FedEx Pickup

- FedEx does **NOT** allow drop-off for Category B biological samples. Do not use a drop box, pharmacy or any 3rd party drop box.
- Call 1.800.463.3339 — press "81" or say "dangerous goods," then press "4".
- Ship overnight **Monday – Thursday ONLY**.

■ REJECTION NOTICE ■

**Samples shipped Friday – Sunday will be
REJECTED**

**Samples arriving on weekends or Mondays will also be
REJECTED.**

Pickup Timing: To ensure next-day delivery, items should typically be picked up before 5:00 PM on Thursday.

**Pickups at 4:45PM or later risk Monday arrival and sample rejection. Please confirm with your local FedEx location regarding the cutoff time for overnight shipments.*

■ DO NOT SHIP FRIDAY OR PRIOR TO HOLIDAYS ■