Field Chain of Custody (CoC) Specimen — Form ENV-COC-MLD-2026

ASTM D7789-21 Sample Integrity Documentation • Volume, Flow-Rate & Custody Transfer Log • ISO/IEC 17025 Accessioning

TAT: SAME-DAY STAT (4-HR)

PROJECT & SAMPLER IDENTIFICATION (FICTITIOUS SPECIMEN)

Project Ref	ENV-SPEC-PRV-2026-4108
Site Address	**4820 Pelican Point Way, Unit B, Seabrook, TX 77586**
Sampler / Co.	**Elena Vance, LMAC (SPECIMEN-MAC-0000)**
Contact Email	labintake@example.com • (555) 010-2026

SHIPPING, TURNAROUND & METHOD SELECTION

Requested TAT	**[X] Same-Day STAT (4 Hr) [ ] Next-Day 24 Hr**
Method Matrix	**[X] D7391 Spore Trap [X] D7658 Direct Tape**
Courier Mode	USPS Priority Express #EX-9405-0000-SPEC
Pump Rotameter	Zefon ZP-4108-SPEC (Calibrated 15.0 L/min)

SEC 01 8-Sample Environmental Field Sampling Log (75 L / 45 L Dusty Standard)

ID	Time	Sample Location Description	Cassette / Slide Lot	Flow × Time	Vol	RH / %MC	Analysis	Field Matrix Note
PRV-01	10:15	Exterior West Deck Control	Air-O-Cell #ZM-8812	15.0 L/min × 5m	**75.0 L**	68% / 76°F	ASTM D7391	Upwind 25 ft
PRV-02	10:25	Guest Bath Containment Core	Air-O-Cell #ZM-8813	15.0 L/min × 5m	**75.0 L**	47% / 72°F	ASTM D7391	-0.024 in.wc
PRV-03	10:34	Hallway Clean Buffer Zone	Air-O-Cell #ZM-8814	15.0 L/min × 5m	**75.0 L**	49% / 72°F	ASTM D7391	3 ft outside lock
PRV-04	10:42	Primary Bedroom Airlock	Air-O-Cell #ZM-8815	15.0 L/min × 5m	**75.0 L**	48% / 73°F	ASTM D7391	Control interior
PRV-05	10:50	M-01 West Sill Pine Stud	Bio-Tape #BT-4410	Direct Lift	**N/A**	9.4% MC	ASTM D7658	HEPA abraded wood
PRV-06	10:55	M-03 Shower Backing Header	Bio-Tape #BT-4411	Direct Lift	**N/A**	10.1% MC	ASTM D7658	Verify zero hyphae
PRV-07	11:02	Mechanical Attic Return Box	Air-O-Cell #ZM-8816	15.0 L/min × 3m	**45.0 L***	50% / 74°F	ASTM D7391	*45L dusty rule
PRV-08	11:05	Field Procedural Control Blank	Air-O-Cell #ZM-8817	0.0 L/min (Unopened)	**0.0 L**	Ambient	ASTM D7391	Lot QA Control

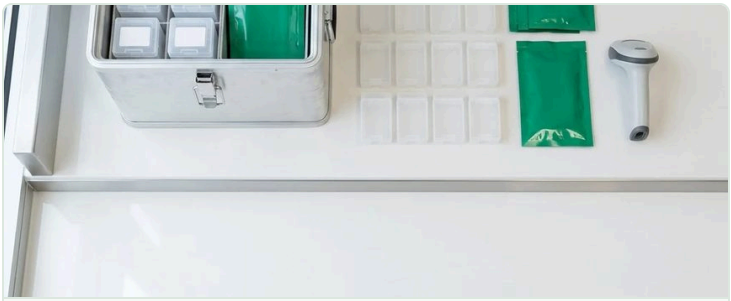
ENVIROGYN LAB FLOW-VOLUME RULE (*PRV-07): Standard indoor and outdoor Zefon Air-O-Cell samples require **75.0 Liters** (15.0 L/min × 5.0 min) to preserve a 13 spores/m³ Limit of Detection. Visible dusty attics, crawlspaces, or demo perimeters MUST reduce run time to **45.0 Liters** (3.0 min) to prevent slide debris masking.

SHIPPING & E-COC INSTRUCTIONS: Place sealed Air-O-Cell cassettes and glass Bio-Tape mailers inside a rigid Crush-Proof Priority Express box. Complete Transfer #1 signature on Page 2 before locking the tamper-evident bag prior to USPS pickup.

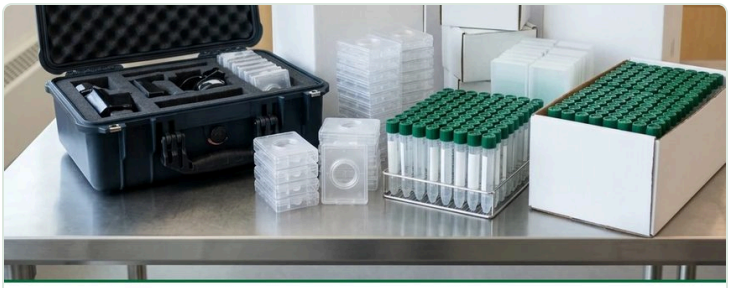
SEC 02 Unbroken Chain-of-Custody Handoff & Tamper-Seal Ledger

Transfer #	Relinquished By (Org / Signature)	Received By (Org / Courier / Lab)	Date / Time	Custody Seal Condition
1	Elena Vance, LMAC (Envirogyn Field)	Security Drop Locker / Tamper Pouch #SL-401	2026-04-16 11:20	SEAL APPLIED INTACT
2	Tamper Pouch #SL-401 (Field Release)	USPS Overnight Express Carrier (#EX-9405-0000)	2026-04-16 12:05	BARCODE SCANNED OK
3	USPS Overnight Delivery Manifest	Envirogyn Lab Accessioning Desk (Intake #26-04)	2026-04-16 12:52	INTACT • 20.4°C • 0 BREAKS
4	Lab Accessioning Vault	C. Lehnhoff, MLS(ASCP)CM #246841 (Microscopy Bench)	2026-04-16 13:05	ASSIGNED STAT BATCH

SEC 03 Laboratory Sample Intake Gate & Bench Accessioning Visuals



INT-01 Accessioning bench verifying cassette serial numbers, unbroken tamper seals, and digital eCoC barcode synchronization prior to cracking.



INT-02 Individually sealed Zefon Air-O-Cell impaction cassettes shipped with lot expiration QA and rigid foam transport protection.



INT-03 Sterile Bio-Tape slide mailers (Samples PRV-05/06) verified smudge-free for direct ASTM D7658 optical examination.



INT-04 Priority STAT batch queued on calibrated Nikon/Leica 600x dual-head microscopy bench immediately following accessioning.

[OK] Cassette seals un-cracked; zero water/transit condensation

[OK] Field sample volume (≥45 L / 75 L) documented on every Air-O-Cell

[OK] Field Blank (#PRV-08) included matching Air-O-Cell Lot #ZM-88xx

[OK] Specimen Disclaimer: 100% Fictitious Client, Seal & Tracking IDs

Elena Vance, LMAC

Relinquished By (Field Sampler)
SPECIMEN-MAC-0000 • Sealed 2026-04-16 11:20

C. A. Lehnhoff, MLS

Received & Accepted By (Laboratory Director)
Board-Certified ASCP MLS(ASCP)CM #246841 • SPECIMEN-LAB-0000