

Meconium Collection Instructions

The maximum window of drug exposure is achieved by collecting and pooling all meconium passed during the post natal period. Because Meconium is heterogeneous, and drugs do not appear to diffuse throughout the entire meconium mass, the pooling of multiple passings of meconium is highly encouraged until all meconium has been excreted. Three grams (1 teaspoon) of meconium are necessary for maximum sensitivity. Smaller amount can be analyzed, but with a resulting reduction in sensitivity and/or the window of drug exposure. For your convenience, there are five non-absorbent polyethylene diaper liners for multiple collections until all meconium has been excreted. The red tamper-evident seal and absorbent pad are optical supplies for use if needed.

Alcohol Biomarker Notice: Avoid any contact of ethanol liquid or vapor with the meconium. Meconium specimens for FAEE analysis (EtOH) should be refrigerated and protected from light until they are ready to be shipped. Maximum sensitivity is achieved when specimens are shipped in the frozen state. To report out a positive FAEE result, the laboratory must verify that the specimen was collected less than 18 hours from time of birth. If the final time of collection is greater than 18 hours from time of birth, the specimen will be rejected for FAEE testing, and the following comment will be added to the specimen report: "Not suitable for FAEE testing due to delayed specimen collection."

1. Strategically place a liner in the diaper so, as meconium is passed, it collects on the liner instead of the diaper. Collect by transferring the meconium from the diaper liner to the collection container using the spatula provided. (If collection supplies are not available, a sterile or non-sterile, screw-top urine container and wooden tongue depressor may be used.)
2. Place name and I.D. number, or newborn I.D. sticker, on the Custody and Control Form and collection container. Enter date of birth and time of birth.
3. Document each separate collection with a collector signature and date/time of collection on the Custody and Control Form. Be sure to continue collecting specimen into the same collection container until all meconium has been excreted. *NOTE: Verify that the container ID# and the ID# on the form match before each collection.*
4. When collection is completed, close and latch the lid. Place the bar-coded, tamper-evident seal (from the bottom of the Custody and Control Form) over the top of the lid, opposite the latch and hinge. The collection container should be sealed so that opening the lid would break the seal, indicating tampering. Do NOT place the seal over the container latch or hinge. *NOTE: Failure to properly place a tamper-evident seal over the lid will result in a rejected specimen.* Initial and date the seal.
5. Mark the meconium box on the form and (5a) select all test(s) that have been ordered.
6. Complete and sign the form.
7. Place the top copy of the completed Custody and Control Form in the large pouch of the plastic specimen bag provided. Place the meconium container in the small pouch of the specimen bag and seal the bag.
8. Place the specimen bag in the box, then place the box in a courier overwrap.
9. Contact your courier for pick-up.

FORENSIC NEWBORN DRUG TESTING CUSTODY AND CONTROL FORM

USDTL
United States Drug Testing Laboratories, Inc.
1700 S. Mount Prospect Road | Des Plaines, IL 60018
Main: 847-375-0770 | www.USDTL.com | Fax: 847-375-0775

CONTROL # 4644251

PATIENT / DONOR CLIENT

Name _____
ID # _____
Date of Birth ____/____/____ Time of Birth ____:____ (24hr clock, military time)

2 (points to ID # field)

5 (points to SPECIMEN TYPE field)

3 (points to MECONIUM COLLECTOR(S) VERIFICATION section)

5a (points to DRUG TESTING PANELS & OPTIONS section)

6 (points to CERTIFICATION section)

TESTING REQUESTED

DRUG TESTING PANELS & OPTIONS

5 Drug Panel 14 Drug Panel
 7 Drug Panel 15 Drug Panel
 9 Drug Panel Alcohol Biomarker (Cord EIG, Meconium FAEE, Blood Spot PEth)
 12 Drug Panel Cotinine (nicotine biomarker, Cord Only)
 13 Drug Panel Other _____

CERTIFICATION (at least one certification section must be signed to be processed by the laboratory)

Collector Certification:
I certify that I have collected, labeled and sealed the specimen identified on this form. I hereby release this specimen for transport to the sendouts section / USDTL.
Sign Name: _____ Date: ____/____/____
Time: ____:____

Processor Certification:
I certify that I have processed, labeled and sealed the specimen identified on this form. I hereby release this specimen for transport to the sendouts section / USDTL.
Sign Name: _____ Date: ____/____/____
Time: ____:____

Sendouts Section Certification:
I certify that the specimen received with this form was sealed in the appropriate container with the seal intact, and the identification number and/or name on this form matches that on the specimen, and the specimen was released for transport to USDTL for testing.
Sign Name: _____ Date: ____/____/____
Time: ____:____

FOR USDTL USE ONLY

Laboratory Certification
I certify that the specimen received with this form was sealed in the appropriate container with the seal intact, and the identification number and/or name on this form matches that on the specimen, and the specimen was transferred to temporary laboratory storage.
Sign Name: _____ Date: ____/____/____
Time: ____:____

CONTROL NO. A 4644251
CONTROL NO. B (PLAT) 4644251

USE TO SEAL SPECIMEN
SPECIMEN SEAL
Date (Mo, Day, Yr) ____/____/____
Sealed by: _____

