INDICATIONS FOR ORDERING
Maternal risk factors

- High-risk behaviors (e.g., history of drug use/abuse, nicotine use, prostitution)
- Minimal or no prenatal care
- Unexplained obstetric events (e.g., placental abruption, premature labor)

Newborn risk factors

- Unexplained neurological complications
- Unexplained intrauterine growth restrictions
- Drug withdrawal symptoms (e.g., neonatal abstinence syndrome [NAS])

Collect specimen(s)

Maternal

ORDER
Urine testing (serial samples and/or at delivery)¹

- Negative
  - No
  - Yes
    - Unexpected result
      - No
        - Testing complete
      - Yes
        - Positive

- Positive
  - No
  - Yes

Neonateᵇ

Umbilical cord tissue

ORDER
- Drug Detection Panel, Umbilical Cord Tissue, Qualitative
- Marijuana Metabolite, Umbilical Cord Tissue, Qualitative

- Negative
  - No
  - Yes
  - Unexpected result
    - No
      - Testing complete
    - Yes
      - Positive

Meconium

ORDER
Drugs of Abuse Panel, Meconium - Screen with Reflex to Confirmation/Quantitation

- Negative
  - No
  - Yes
  - Unexpected result
    - No
      - Testing complete
    - Yes
      - Positive

Confirmation testing as needed
Consult pharmacy histories
Discuss with patient
Inform social services if needed
Refer to ARUP Consult Newborn Drug Testing topic for more information

¹See ARUP’s Lab Test Directory for available testing options
ᵇUrine testing is not recommended unless umbilical cord tissue or meconium is unavailable
ᶜSee Umbilical Cord Tissue Collection video for more information