Cleveland Clinic
Robert J. Tomsich Pathology &
Laboratory Medicine Institute

Cytogenomic Testing for Perinatal & Neonatal Settings

Products of conception (POC)/Stillbirth or Liveborn infant

Finding the correct genetic test order code for the genetic test needed can be difficult when the test is not ordered on a daily basis. This summary may aid in the selection of test codes.

Of note, when a birth plan is created in advance of delivery, it may be helpful to include test names and order codes for the planned testing. A brief description of the test and a reminder to include sample type in the order (e.g., placental tissue, cord blood) may streamline the testing process.

Products of Conception (POC)/Intrauterine Fetal Demise (IUFD)/Stillbirth

- Use POC orders when no individual MRN or medical chart is created for a fetus/infant, including miscarriage, IUFD, and stillbirth.
- Orders are placed and results are returned in the mother's medical record.
- Orders MUST note specific sample type (cord blood, placental tissue, fetal tissue, etc.), which will be included in the report.
- Do NOT expose tissues to formalin if genetic testing is being considered!
- NOTE: Maternal blood samples are not needed for routine POC analysis.

Epic Order Code	Test Name (Select one from below)
SQCHRPOC	Chromosome analysis, Products of Conception
SQPOCSNP	Products of Conception Microarray + SNP
SQPOCHF	Products of Conception Chromosome Analysis with Reflex SNP Array

*Additional details available on use of these tests, as well as collection and transport info:
https://spo.ccf.org/departments/CSOTraining/Comms%20Library/Lab_Testing_of_Products_of_Conception_2021.pdf

Liveborn Infant, with or without neonatal death

- Use these order codes when a medical chart is created and records are in the baby's name.
- Do NOT use for POC testing.
- Sample type MUST be clearly identified in the order (Cord blood, placental tissue, peripheral blood).
- Report is issued with baby's name and MRN, and is saved in the baby's medical record.

Epic Order Code	Test Name (Select one from below)
SQCHRBLD	Chromosome analysis, Blood
SQCHRMOS	Chromosome Analysis, Rule Out Mosaicism Blood
SQCRMSNP	Chromosomal Microarray SNP, Constitutional