

HOTLINE: Effective November 14, 2022

3002096 **Tuberous Sclerosis Complex Panel, Sequencing and Deletion/Duplication, Fetal** **TSC NGS FE**

Methodology: Massively Parallel Sequencing
Performed: Varies
Reported: 2-3 weeks; if culture is required, an additional 1-2 weeks is required for processing time.

Specimen Required: Collect: **Fetal specimen:** Two (2) T-25 flasks at 80% confluent of cultured amniocytes or cultured chorionic villus sampling (CVS).
AND Maternal whole blood specimen: Lavender (EDTA), pink (K2EDTA), or yellow (ACD solution A or B).
Specimen Preparation: **Cultured amniocytes or cultured CVS:** Fill flasks with culture media. Transport two (2) T-25 flasks at 80% confluent of cultured amniocytes or cultured CVS filled with culture media. Backup cultures must be retained at the client's institution until testing is complete. **If the client is unable to culture amniocytes, this can be arranged by contacting ARUP Client Services at (800) 522-2787 ext. 2 prior to test submission.**
Maternal whole blood specimen: Transport 3 mL whole blood. (Min: 2 mL).
Storage/Transport Temperature: **Cultured amniocytes or cultured CVS: CRITICAL ROOM TEMPERATURE.** Must be received within 48 hours of shipment due to viability of cells.
Maternal specimen: Room temperature
Stability (collection to initiation of testing): **Cultured amniocytes or cultured CVS:** Room temperature: 48 hours; Refrigerated: Unacceptable; Frozen: Unacceptable
Maternal whole blood specimen: Room temperature: 7 days; Refrigerated: 1 month; Frozen: Unacceptable

Note: Genes tested: *TSC1 TSC2*

Reported times are based on receiving the four (4) T-25 flasks at 80% confluent. Cell culture time is independent of testing turnaround time. Maternal specimen is recommended for proper test interpretation. Order Maternal Cell Contamination.

CPT Code(s): 81405; 81406; 81407; 81265