

HOTLINE: Effective August 16, 2021

3001842

Hereditary Myeloid Neoplasms Panel, Sequencing

HMYE NGS

Specimen Required: Collect: Cultured skin fibroblasts (preferred) or

Whole blood: Lavender (EDTA) or yellow (ACD Solution A or B). or

Skin punch biopsy: Thaw media prior to tissue inoculation. Place skin punch biopsy in a sterile, screw-top container filled with tissue culture transport medium (ARUP Supply #32788). Available online through eSupply using ARUP Connect. If cytogenetics tissue media is not available, collect in plain RPMI, Hanks solution, sterile saline, or ringers. **New York State Clients: Collect Monday-Thursdays only.**

Specimen Preparation: Cultured skin fibroblasts: 2 T-25 flasks at 80 percent confluency, Fill flasks with culture media. Backup cultures must be maintained at the client's institution until testing is complete.

Skin punch biopsy DO NOT FREEZE. Do not place in formalin. Transport a 4 mm skin biopsy in a sterile, screw-top container filled with tissue transport medium.

Whole blood: Transport 3 mL whole blood. (Min: 1.5 mL)

New York State Clients: Cultured skin fibroblasts: 2 T-25 flasks at 80 percent confluency. Whole blood: Transport 5 mL whole blood (min. 3 mL). **Do not send cultured fibroblasts to ARUP Laboratories.** Specimens must be received at performing laboratory within 48 hours of collection. For specimen requirements and direct submission instructions please contact ARUP Referral Testing at (800) 242-2787, ext. 5145.

Storage/Transport Temperature: Cultured skin fibroblasts: Critical room temperature. Must be received within 48 hours of shipment due to lability of cells

Skin punch biopsy: Room temperature

Whole Blood: Refrigerated.

Remarks: Cultured skin fibroblast backup cultures must be retained at the client's institution until testing is complete. Skin punch biopsies can be cultured at ARUP at an additional charge.

Unacceptable Conditions: Grossly hemolyzed or frozen specimens; formalin fixed tissue, FFPE

Stability (collection to initiation of testing): Cultured skin fibroblasts: Ambient: 48 hours; Refrigerated: Unacceptable; Frozen: Unacceptable,

Skin punch biopsy: Ambient: 48 hours; Refrigerated: 48 hours; Frozen: Unacceptable

Whole blood: Ambient: 72 hours; Refrigerated: 1 week; Frozen: Unacceptable

New York State Clients: Cultured skin fibroblasts: Ambient: 48 hours; Refrigerated: Unacceptable; Frozen: Unacceptable,

Whole blood: Ambient: 48 hours; Refrigerated: 1 week; Frozen: Unacceptable