
Lab Dept: Anatomical Pathology

Test Name: ELECTRON MICROSCOPY, WHOLE BLOOD

General Information

Lab Order Codes: EMWB

Synonyms: EM, blood

CPT Codes: 88348 – Electron microscopy, diagnostic

Test Includes: Electron microscopy/ultrastructural examinations

Logistics

Test Indications: Useful for ultrastructural examinations.

Lab Testing Section: Anatomical Pathology - Sendouts

Referred to: Hennepin County Medical Center (HCMC Test Code: LAB1204)
Neuromuscular/EM Laboratory (612) 873-2175

Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6550

Test Availability: Monday – Friday (Must be drawn between 0600-1300 M-F only)

Turnaround Time: 2-3 weeks

Special Instructions: **EXTREMELY TIME SENSITIVE:** Specimen must be received in the testing lab at HCMC within one hour of collection. Call Children's Minnesota Sendouts Laboratory to notify them of imminent collection so preparations can be made. See [Special Processing](#) below for more lab information.

Patient insurance, clinical history, diagnosis, and demographic data must be included with the request form available from the lab and specimen sent to the reference laboratory.

Specimen

Specimen Type: Whole blood

Container: Lavender top tube (EDTA)

Draw Volume:	Pediatric: 2-5 mL (Minimum 1 mL) blood
Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture, only between 0600-1300 Monday - Friday. Anticoagulant to blood ratio is important. If you use a 10 mL EDTA tube, fill with 10 mL for proper dilution. Under filling of tube will cause cancellation of test.
Special Processing:	<p>Lab Staff: Do Not process. Submit specimen in its original container at refrigerated temperature. Transport on cold pack.</p> <p>EXTREMELY TIME SENSITIVE: Specimen must be received at the testing lab within one hour of collection.</p> <p>Sendouts lab: Call HCMC EM Lab at (612) 873-2175, preferably in advance of collection, and they will arrange for a STAT courier. Specimens accepted Monday-Friday 0700 to 1400.</p>
Patient Preparation:	None
Sample Rejection:	See special instructions

Interpretive

Reference Range:	Interpretive report
Methodology:	Electron microscopic evaluation
References:	Hennepin County Medical Center Web Page September 2023
Updates:	<p>6/1/2017: Update on collection time before 11 am.</p> <p>09/06/2023: Updated collection time, specimen volumes, reference lab phone number, turnaround time, special instructions, extreme time sensitivity, transport instructions, broken links.</p>