

MUSCLE / NERVE BIOPSY REQUEST FORM

Neuromuscular Clinical Laboratory: Alan Pestronk, M.D., Director
Washington University School of Medicine – Neurology Department
Internet Home Page <http://neuromuscular.wustl.edu>

Referring institution	Patient name
Requesting physician	Sex Age Birth date
Send report to NAME ADDRESS CITY, STATE, ZIP PHONE & FAX #	Date biopsy performed
	Date biopsy received
	WU Lab accession #
Bill charges to	
Labs other than Washington University: If we are billing patient, please provide insurance authorization number.	

Clinical Diagnosis & History
Specimens & Site biopsied
Surgeon

INSTRUCTIONS

Hand carried fresh tissue: Wrap in moist (saline) gauze; **Do not** immerse in saline or fixative

Mailed tissue: NOTES - Laboratory only open Monday through Friday; Send by overnight mail for early next day delivery

Method A. Freeze one piece of tissue in isopentane cooled with liquid nitrogen; Fix a 2nd piece, **or**

Method B. Wrap biopsy specimens in moist (saline) gauze. Place in sealed plastic container. Send on cold packs. Do not freeze.

TESTS REQUESTED: Histochemical & Immunocytochemical stains are usually performed on frozen, unfixed tissue.

Routine Histochemistry: Performed on all biopsies

MUSCLE: H&E X 2, NADH, GT, ATPase pH 9.4 4.6 & 4.3, VvG, Congo Red, Sudan Black, Alkaline & Acid Phosphatase, Esterase
Periodic Acid Schiff, Cytochrome Oxidase, Succinic Dehydrogenase, Amylo-phosphorylase, AMPDA, Morphometry

NERVE Frozen sections: H&E, GT, Congo Red, Alkaline & Acid Phosphatase, VvG, Neurofilament Plastic sections: Toluidine blue
NEUROPATHOLOGY provides additional nerve biopsy information in a separate report.

Dystrophies (Immunocytochemistry (IHC) ± Western blot (WB)): Dystrophy-related protein panel

Dystrophin (IHC); Dystrophin (WB); Sarcoglycans (α, β, δ, γ) (IHC); Sarcoglycans (WB); Caveolin (IHC & WB);

Emerin (IHC & WB); Desmin (IHC); α-Dystroglycan (IHC); Laminin α2 (IHC); Collagen VI & IV (IHC); MYH2 (IHC);

Dysferlin (IHC & WB); Calpain 3 (WB); VCP (IHC); LAMP-2 (IHC); Lamin A/C & Sun-2 (IHC); SMI-31 (IHC); α-actinin

Immune myopathy panel: MHC Class I; Ulex; Decorin; SMI-31; C5b-9 (MAC); CD4; CD8; CD20; HAM56; LC3; Cav-3

Aggregate panel: Desmin; VCP; α-actinin; Caveolin; Ubiquitinated proteins (FK2); SMI-31

BIOCHEMISTRY Performed at Washington University Neuromuscular Lab EXTRA SPECIMEN may be required (> 0.5 cm³, 100 mg)

Mitochondrial oxidative enzymes : Activity (Complexes I, II, II + III, III, IV, Citrate synthase) + Coenzyme Q10; Complex I-V Western blot

Glycogen pathways: Glycogen + Acid Maltase; Glycogen degradation (PFK, Phosphorylase, PGK, PGM, LDH, PBK); PFK stain

Requirements for tissue to be forwarded from our Neuromuscular lab to other labs for further testing

Extra specimen (minimum 0.5 cm³, 200 to 500 mg); Clinical information; Billing information & approval #; Patient release, signed;

Completed requisition from testing lab; Minimum amount of tissue needed for testing; Shipping address, information & form

SHIPPING ADDRESSES	
Frozen specimens	Fresh tissue -- HAND DELIVERY
SHIPPING/MAILING ADDRESS: ALAN PESTRONK, M.D. Washington University - Neurology, Box 8111 660 S. Euclid Ave. St. Louis, MO 63110	STREET LOCATION: NEUROMUSCULAR LABORATORY Irene Walter Johnson Institute 509 S. Euclid, Room 404 St. Louis, MO 63110
Phone: 314-362-6981 (Office); 314-362-2406 (Lab); FAX: 314-362-3413	CAP# 19233-16 : CLIA ID# 26D0652044 : Medicare Provider # 26-8235
Turn around time: ~3 to 4 weeks	pestronka@neuro.wustl.edu Revised 3/12/2012 AP