

LMNA sequencing

Mutations in the LMNA gene have been associated with a variety of conditions, collectively termed *Laminopathies*. Among these conditions are Autosomal Emery Dreifuss muscular dystrophy, dilated cardiomyopathy with conduction system disease, familial partial lipodystrophy (Dunnigan type), Hutchinson-Gilford progeria, mandibulacral dysplasia, limb-girdle muscular dystrophy type 1B, and Charcot Marie Tooth type 2B1.

Testing offered:

We offer direct mutation analysis of the LMNA gene. Automated DNA sequencing analysis is used to analyze exons and the intron/exon junctions.

Turnaround Time:

Results are routinely available in approximately 3-4 weeks.

Sample requirements:

Samples should be accompanied by a completed U of MN Physicians Outreach Lab Requisition form.

Blood: 5-10 cc blood collected into a yellow top (ACD Solution A) or purple top (EDTA) tube sent overnight at room temperature.

Isolated DNA: At least 5 μ g of purified genomic DNA will be accepted for analysis.

Cultured cells: 1-2 T-25 flasks of cultured cells may be sent overnight at room temperature in a flask filled completely with media. Some of the sample should be cultured separately in your lab as a backup.

Prices effective 7/1/2010-6/30/2011:

LMNA sequencing: \$725.94

Previously identified mutation: \$291.98

CPT Codes:

- Full Sequencing: 83898 x 7, 83894 x 7, 83909 x 7, 83891 x 7, 83904 x 9, 83912, and 83891
- Level II testing for known mutations: 83898, 83909, 83894, 83904, 83912, and 83891

Please send sample to:

U of MN Physicians Outreach Lab
Attn: Specimen Management
Mayo Building Room D293
420 Delaware St SE (MMC 198)
Minneapolis, MN 55455

For more information contact:

Molecular Diagnostics Laboratory
Lab phone: (612)273-8445
Coordinator phone: (612)624-8948
Lab FAX: (612)273-8959