LAB TARRIFFS & CHARGES

Histochemical investigation of mitochondrial abnormalities in skeletal muscle
H and E, Cytochrome c oxidase (COX), Succinate Dehydrogenase (SDH), combined COX/SDH activity £175

Biochemical Investigations
Respiratory chain enzymes and citrate synthase in fresh and frozen muscle £550
Respiratory chain enzyme activities and citrate synthase in cultured cells £600
Immunohistochemical assessment of respiratory chain function (muscle sections) £550

Molecular genetic investigations (mtDNA and nuclear DNA disorders)
Long-range PCR screen for mtDNA rearrangements £120
Real Time PCR screen for mtDNA rearrangements in single muscle fibres £250
m.3243A>G MTTL1 mutation (MELAS) screen £70
m.8344A>G, m.8356T>C and m.8363G>A MTTK mutations (MERRF) screen £70
m.1555A>G aminoglycoside screen £70
m.8993T>G/C and m.9176T>G/C mutation (NARP/MILS) screen £140
Primary LHON mutations (m.3460G>A, m.11778G>A, m.14484T>C) £170
Screen for specific LHON mutation £70
MTND6 gene sequencing in LHON £130
MTCYB gene sequencing £130
Whole mitochondrial genome sequencing £550
Sequencing of mtDNA-encoded complex I genes £350
12SrRNA (MTRNR1) gene sequencing £170
PCR-RFLP or Pyrosequencing of rare or novel pathogenic mtDNA mutation £100
mtDNA copy number assay using Taqman® real-time PCR £90
POLG gene analysis – 5 exon screen £180
POLG gene analysis – sequencing of entire coding region £550
PEO1 (Twinkle) gene analysis £350
SLC25A4 (ANT1) gene analysis £280
POLG2 gene analysis £350
TK2, DGUOK, RRM2B, MPV17, SUCLA2, SUCLG1, MTO1, TRMU, TYMP gene analysis £410 each
RARS2 £550
Nine, nuclear-encoded complex I structural subunits £800
Nuclear-encoded complex II SDH sequencing (6 genes) £700
TMEM70 £160
ACAD9 £550
Pre-natal Genetic Testing (mtDNA and nuclear gene mutations) £300
Pre-genetic Implantation Diagnostic Testing (mtDNA mutations) £600