Services Offered

Human Clinical Samples

Quantitative Analysis
Phospholipid Analysis (including cardiolipin and monolysocardiolipin molecular species)
- Isolated Skeletal Muscle Mitochondria
Cardiolipin and Monolysocardiolipin Analysis
- Skeletal Muscle
- Skin Fibroblasts

Available Fall 2012!
Quantitative Analysis
Phospholipid Analysis (including cardiolipin and monolysocardiolipin molecular species)
- Skeletal Muscle (frozen/fresh)
- Fibroblasts
- Blood

Team Members
Charles Hoppel, MD
Juhnwan Kim, PhD
Paul Minkler

Quality Control Results for Cardiolipin
Rat Skeletal Muscle Mitochondria, N = 48, 11% RSD

Among the nation’s leading academic medical centers, University Hospitals Case Medical Center is the primary affiliate of Case Western Reserve University School of Medicine, a nationally recognized leader in medical research and education.

Tel: 216-844-1286
Fax: 216-844-8005
cidem@case.edu
www.case.edu/med/CIDEM/

Tax ID: 34-1720429
CLIA: 36D0680824
CLIA: 36D0925804
NPI: 1578706438

Center for Inherited Disorders of Energy Metabolism (CIDEM)
Wearn Bldg., Room 649
University Hospitals Case Medical Center
11100 Euclid Avenue, Cleveland OH 44106

Center for Mitochondrial Diseases
Case Western Reserve University School of Medicine
Department of Pharmacology
10900 Euclid Avenue
Cleveland, Ohio 44106-4981

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Cleveland, Ohio 44106-4981

Quantitative Phospholipid Analysis by HPLC-MS
Human Skeletal Muscle Mitochondria
Phospholipid HPLC-MS Chromatogram and Spectra

Human Skin Fibroblasts
Phospholipid HPLC-MS Chromatogram and Spectra

Human Skeletal Muscle
Phospholipid HPLC-MS Chromatogram and Spectra

Symbol Key:
PE - phosphatidylethanolamine
PG - phosphatidylglycerol
PI - phosphatidylinositol
LPI - lysophosphatidylinositol
PS - phosphatidylserine
CL - cardiolipin
MLCL - monolysocardiolipin
PC - phosphatidylcholine
SM - sphingomyelin
LPC - lysophosphatidylcholine

Oxidized Cardiolipin
Reversed-Phase Ion-Pair HPLC-MS/MS