SickKids The hospital for SICK CHILDREN Paediatric	HE HOSPITAL FOR555 University AvenueRoom 3642, AtriumToronto, ON, M5G 1X8, Canada		Last Name: First Name: Date of Birth (DD/MM/YYYY): Legal Sex: Male Female Non-binary/U/X Sex Assigned at Birth (if different): Male Female Unassigned Gender Identity: Male Female Non-binary/U/X For Canada Only		
Laboratory Medicine	Fax: 416-813-5431	Provincial Health Card #: Version: Issuing Province:			
MITOCHONDRIA	LTESTING	Specimen Collection Information			
Referred-in Rec	Date (DD/MM/Y)	(YY) Time (HH:MM)	Collected by:		
Tasting is provided for medical purposes	only and recults are not intended f		The laboratory is not a f		
Testing is provided for medical purposes	only and results are not intended to	or forensic use.	Date of Referral	prensically accredited laboratory.	
Sample #:	If fibroblasts, # of passages:		(DD/MM/YYYY)		
Referring Physician / Institution					
Name	Address		Telep	bhone	
Note: <u>DO NOT</u> submit	specimens from patients with I	HIV+ve status.	HIV+ve status interfe	res with testing.	
	SKIN FIBROBLAST, A	MNIO/CVS TE			
Pyruvate Determination for L/P ratio	Pyruvate Dehydrogenase	e - Total	For in-patient: Skin biopsy collection medium can be obtained from Tissue Culture Laboratory (ext 20239) or Pathology (ext 205944). The sample MUST be set to Tissue Culture Laboratory (Rm # 3225).		
Lactate Determination for L/P ratio	Pyruvate Decarboxylase	- E1			
Cytochrome Oxidase (Comp. IV)	Pyruvate Dehydrogenase	e - E2	For testing on amniocytes: Provide at least 3 conflue		
Succinate Cytochrome C Reductase	e 🗌 Pyruvate Dehydrogenase	e - E3	25 mL flasks of amniocytes with the same number flasks of at least two different controls. Keep a ba		
(Comp. II+III)	Pyruvate Carboxylase (P	C)		ols use amniocytes/CVS from ly the same gestation and age,	
	Phosphoenolpyruvate ca (PEPCK)	ırboxykinase	"discards" from testings for LATE MATERNAL AGE.		
		J	ents: Provide 2 x 25 mL flasks be cultured by Tissue Culture tion of the tests.		
Partial Screen: All of the above test	<	<u></u>	l amnio specimens must be		
Total screen : All of the above tests		biopsies call Tissue Cu 416-813-7654 ext 2023			
Skin fibroblast mitochondrial isolation (NADH: cytochrome c reductase (CI+III), CII+III, CIV, ATPase (CV), citrate synthase (CS)) Test requires 20 plates (10 cm) for mitochondrial isolation with the same number of plates from a control cell line and thus will delay testing and results.					
BIOPSY TESTIN	IG ON FROZEN TISSUE (Total	tissue homoge	nate: muscle, liver, hea	rt, kidney)	
Comp I+III, II+III, IV and CS	Provide about 50 mg of tissu	ue in a plastic cry	yovial snap frozen in liqu	id nitrogen.	
	All frozen specimens must b	<u>Note</u> : Specimen should NOT be immersed in isopentane or any other fluid before freezing. All frozen specimens must be shipped in a cryovial on plenty of dry ice . Ship early in the week by overnight courier. Specimens received thawed CANNOT be tested.			
	BIOPSY TESTING ON EI	BIOPSY TESTING ON ENDOCARDIAL BIOPSY			
Comp I+III, II+III, IV and CS	Make arrangement with the la fresh specimen.	Make arrangement with the lab at least 24 hrs prior to the procedure. Provide 2-5 mg fresh specimen			
Specimen should be transported in a small container ON ICE .					
BIOPSY T	ESTING ON ISOLATED MUSC	CLE MITOCHO	NDRIA, FRESH TISS	SUE	
NADH: ubiquinone reductase (CI), CI+III, Succinate DCIP reductase (C CII+III, CIV, CV, CS	II), muscle for mitochondrial isc processed as "frozen tissue"	Make arrangement with the lab at least 24 hrs prior to the biopsy. Provide 250-300 mg of fresh muscle for mitochondrial isolation. Specimen that weighs less than 200 mg will be snap frozen and processed as "frozen tissue"			
	All fresh biopsies should be	transported in a	plastic container ON ICI	Ε.	

Please continue and complete the 'Clinical Information Sheet' on page 2.

SickKids The Hospital for Sick Children Paediatric Laboratory Medic	Toronto, ON, M5G 1 Tel: 416-813-7200	ue	Legal Sex: Sex Assigned a Gender Identity For Canada O Provincial Heal Issuing Provinc	:	└Male └Female Unassigned leNon-binary/U/X Version:
Referred-in Requisition			Date (DD/MM/YYY	(Y) Time (HH:	MM) Collected by:
Testing is provided for medical purp Sample #:	boses only and results and life fibroblasts, #		or forensic use. T	he laboratory is n Date of Referr (DD/MM/YYYY)	ot a forensically accredited laboratory.
Referring Physician / Institutio					
Name	Address				Telephone
Please complete and submit this form in conjunction with the "Mitochondrial Testing Requisition".					
Clinical information (Please c	neck).				
Age at onset: CNS	Ophthalmologic	Muscle		Cardiac	General
 Microcephaly Developmental Delay Stroke-like episodes Ataxia Myoclonus 	 Optic atrophy Leber's HON Pigmentary retinopation Cortical Blindness Nystagmus 	Ptosi:	tonia cise intolerance s	 Conduction abnormalities Cardiomyopa Hypertrophic Dilatative Other 	L Feeding problems
Dystonia	Nerve	Relevan	t family history		
 Sensorineural hearing loss Seizures Encephalopathy Ophthalmoplegia Leigh's Disease Basal Ganglia Calcification 	 Neuropathy Axonal Demyelinating Hepatic Hepatic dysfunction Hepatomegaly Renal Renal tubular acidos 	is			
LABORATORY DATA (IF KNO	OWN):				
Serum lactate: ALT: Alkaline phosphatase: Creatinine:	CSF Lactate: AST: BUN:		NCS: CT:		UEP: D SSEP:
				Past mus	scle or skin biopsy 🗌 Yes 🗌 No

SickKids The hospital for sick children

MITOCHONDRIAL LABORATORY

555 University Avenue Room 3642, Atrium Toronto, ON, M5G 1X8, Canada

Paediatric Laboratory Medicine

Tel: 416-813-7200 Fax: 416-813-5431 Last Name:

First Name: Date of Birth (DD/MM/YYYY): Legal Sex: __Male __Female __Non-binary/U/X Sex Assigned at Birth (if different): __Male __Female __ Unassigned Gender Identity: __Male __Female __Non-binary/U/X

Version:

For Canada Only

Provincial Health Card #: Issuing Province:

MITOCHONDRIAL TESTING	Specimen Collection Information			
Referred-in Requisition	Date (DD/MM/YYYY)	Time (HH:MM)	Collected by:	

BILLING FORM

How to complete the Billing Form: (Completion of Billing Form NOT required for patients with an Ontario Health Card Number.)

- Referring Physician completes the appropriate section below to specify billing method.
- Send requisition and completed "Billing Form" with specimen.
- Invoices are sent upon completion of each test/service.

Option 1: Complete to have the Healthcare Provider billed:		Option 2: Interm Federal Health Program (IFHP)		
Your Referring Laboratory's Reference #	t:	Submit a copy of the Interim Federal Health Certificate (Refugee		
Billing address of hospital, referring labor	pratory:	Protection Claimant Document) with the photo and UCI# visible		
Name:	Address:	- for coverage to be confirmed.		
City:	Prov/State:	UCI#		
Postal/Zip Code:	Country:	ICD code (lab use only):		
Contact Name:				
Contact Telephone #:				
Option 3: Complete to have Patie	nt/Guardian billed directly:			
Please advise the patieProvide us with patientUnfortunately, we cannot				
Relation to patient (check one):	Patient	Guardian/Parent		
Method of Payment (check one):	American Express	MasterCard Visa		
Name as it appears on credit card:				
Credit card #:				
Expiry date on credit card:				
CVS#- found on back of card (Required):			
Mailing Address of Patient/Guardian	(if different from requisition):	Additional Contact Information		
Name:		Patient's phone # with area code:		
Address:				
	Apt. #:			
City:F	Prov/State:	Guardian's phone # with area code:		
Postal/Zip Code: 0	Country:			