

Urinary Pterins -Biogenic Amine Metabolite Study

(Panel consisting of Urinary Neopterin, Biopterin, Primapterin, Sepiapterin, Homovanillic acid, 5 Hydroxyindole acetic acid, Vanillylmandelic acid and Creatinine)

DEPARTMENT OF CLINICAL BIOCHEMISTRY: NEUROCHEMISTRY

Request Form-To be filled by requesting doctor

MRN: _____ Date of Birth: ___/___/___ Female Male

Family Name: _____ Given Name _____

If Neonate- Maternal Family Name _____ Given Name _____

Medicare Number _____

Address: _____

Requesting Institution: _____ Generic Results Fax/E-mail: _____

Institution Address: _____

Requesting Doctor: _____ Email _____ Phone _____

AMO: _____ Provider No. _____

Collection details

Urine Pterin Collection Details	Random	Pre-BH4 Load	Post BH4-Load	
			4Hr	8Hr
Labelled and covered in foil	Yes/No	Yes/No	Yes/No	Yes/No
Urine appearance				
Date of collection				
Collection time				
Referral Lab ID				

Clinical Symptoms

(please note that detailed clinical and drug therapy information is required for interpretation of test results; attach a separate page if required)

	Tick √		Tick √		Tick √
Autonomic dysfunction		Hypokinesia		Parkinsonism	
Cerebral palsy, unexplained dyskinetic		Intellectual disability		Psychomotor delay	
Developmental delay		Microcephaly		Ptosis of eyelid	
Diurnal fluctuation of symptoms		Movement disorders including chorea, tremor, myoclonic jerks, ballistic movements		Rigidity	
Dystonia, focal or generalised				Seizure (Myoclonic)	
Feeding difficulties				Swallowing difficulties	
Hypertonia, extremities				Normal Brain MRI	
Hypotonia, muscular axial		Oculogyric crises		Neonatal Hyperphenylalaninaemia	

Current Medication: (please detail current treatment)

L-DOPA Sapropterin None Others

Required Laboratory Results

	Pre-BH4 Load	4 Hr Post BH4-Load	8 Hr Post BH4-Load
DBS Phenylalanine			
DBS Tyrosine			
DHPR enzyme activity			

First line diagnostic test results if available

CSF Neurotransmitter (Biogenic Amines an Pterins) Studies
Genetic testing Results