

# PTERIN ANALYSIS, URINE

## Orderable - PTERINU

Turn Around Time: Batched approximately every three weeks

### Alternate Name(s):

BH4/NB Ratio  
Neopterin/Biopterin Ratio, Urine  
PKU-Pterin Deficient



**Laboratory:**  
Biochemical Genetics Lab



**Requisition:**  
[BIOCHEMICAL GENETICS  
LAB REQUISITION](#)

### Specimen:

Random urine

### Collection Information:

2 mL urine collected in 20 mg of ascorbic acid. Collection kits supplied by lab. Wrap sample in foil to protect from light. Sample to be sent immediately to the Core Laboratory and frozen.

Keep at -20°C



**Test Schedule:**  
As required

### Reference Ranges:

Neopterin:	>1.0 mmol/mol creatinine
Biopterin:	>0.6 mmol/mol creatinine
Neopterin/Biopterin Ratio:	0.2-3.0 Ratio
Tetrahydrobiopterin:	52-86%

### Storage and Shipment:

Sample must be sent to lab **immediately** and protected from light.