

PR007774

URINE ANALYSIS OF PTERINS (NEOPTERIN AND BIOPTERIN)

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VALID UNTIL : 01-01-2024

**How to send samples?****Sending the sample**

- Since pterins are light-sensitive, collect and treat the urine in the dark as much as possible.
- A minimum of 2 milliliters of urine should be collected in a tube covered with aluminum foil.
- Centrifuge the urine.
- Protect the urine sample (in aluminum foil) against light and freeze the tube at  $-80^{\circ}\text{C}$ .
- The urine sample should be sent frozen (on dry ice) to our laboratory (see address below). A description of the clinical symptoms is appreciated.

**Address for sending material:**

Radboud University Medical Center  
 Radboudumc Diagnostic Laboratory  
 Route 815  
 Attn. TML, Neurochemistry, dr. MM Verbeek  
 PO 9101  
 6500 HB NIJMEGEN  
 The Netherlands

Contact information :

phone: #-31-24-3614567

fax: #31-24-3668754

e-mail: [marcel.verbeek@radboudumc.nl](mailto:marcel.verbeek@radboudumc.nl)

**Reference values**

The laboratory has established age-related reference values

Age	Neopterin (nmol/mmol creatinine)	Biopterin (nmol/mmol creatinine))	% biopterin
0 – 30 days	500 – 3500	350 - 3500	15 - 55
30 days – 4 years	300 - 1600	500 - 3500	50 – 75
4 – 12 years	400 - 1400	550 - 1100	34 - 73
> 12 years	200 - 500	400 - 900	34 - 80

**Analysis frequency**

Every three weeks.

**Turn-over time**

Maximally 3.5 weeks

**Costs**

Please inquire.