

## Purine and Pyrimidine Panel, Urine #81420

**EXPLANATION:** Since January 27, 2009, test #81420, Purine and Pyrimidine Panel, Urine has been resulted without the uric acid portion of the test due to technical difficulties. Since then, a validation study performed by our Biochemical Genetics Laboratory (BGL) has established new reference values for each analyte contained in the panel and resolved the technical issues experienced with the uric acid portion of the test. Effective February 28, 2011, BGL will implement all new reference values and resume reporting patient results for uric acid. No other changes will occur at this time.

<b>CURRENT REFERENCE VALUES:</b>	<b>NEW REFERENCE VALUES:</b>
<b>URACIL</b> 0-2 years: <32 mmol/mol creatinine 3-5 years: <21 mmol/mol creatinine 6-11 years: <17 mmol/mol creatinine > or =12 years: <12 mmol/mol creatinine  <b>URIC ACID</b> 0-2 years: 359-2,644 mmol/mol creatinine 3-5 years: 185-1,134 mmol/mol creatinine 6-11 years: 199-1,034 mmol/mol creatinine > or =12 years: 49-692 mmol/mol creatinine  <b>HYPOXANTHINE</b> 0-2 years: <99 mmol/mol creatinine 3-5 years: <59 mmol/mol creatinine 6-11 years: <52 mmol/mol creatinine > or =12 years: <29 mmol/mol creatinine  <b>XANTHINE</b> 0-2 years: <66 mmol/mol creatinine 3-5 years: <40 mmol/mol creatinine 6-11 years: <32 mmol/mol creatinine > or =12 years: <20 mmol/mol creatinine	<b>URACIL - TC 81420</b> 0-2 years: < or = 31 mmol/mol creatinine 3-5 years: < or = 30 mmol/mol creatinine 6-11 years: < or = 28 mmol/mol creatinine 12 - 17 years: < or = 26 mmol/mol creatinine > or = 18 years: < or = 35 mmol/mol creatinine  <b>URIC ACID - TC 6813</b> 0-2 years: < or = 2249 mmol/mol creatinine 3-5 years: < or = 1900 mmol/mol creatinine 6-11 years: < or = 1398 mmol/mol creatinine 12-17 years: < or = 698 mmol/mol creatinine > or = 18 years: < or = 669 mmol/mol creatinine  <b>HYPOXANTHINE - TC 6814</b> 0-2 years: <53 mmol/mol creatinine 3-5 years: <49 mmol/mol creatinine 6-11 years: <43 mmol/mol creatinine 12-17 years: <36 mmol/mol creatinine > or = 18 years: <40 mmol/mol creatinine  <b>XANTHINE - TC 6815</b> 0-2 years: <49 mmol/mol creatinine 3-5 years: <41 mmol/mol creatinine 6-11 years: <30 mmol/mol creatinine 12-17 years: <16 mmol/mol creatinine > or = 18 years: <51 mmol/mol creatinine

**QUESTIONS:** Contact your Mayo Medical Laboratories' Regional Manager  
 Richard Einerson, Mayo Medical Laboratories' Technologist Support  
 Telephone: 800-533-1710