



URINE PURINES AND PYRIMIDINES (UPP) - REFERENCE INTERVALS (RI)

<b>Crystaluria</b>	<b>&lt;2y</b>		<b>≥2y to ≤18y</b>		<b>&gt;18y</b>		<b>unspecified age</b>	
	<b>RI limit</b>		<b>RI limit</b>		<b>RI limit</b>		<b>RI limit</b>	
	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>
<b>Analyte (concentration)</b>		<b>umol/L</b>		<b>umol/L</b>		<b>umol/L</b>		<b>umol/L</b>
Orotic acid	1	9	1	13	1	17	1	14
Uric acid	283	2583	177	3511	177	3511	200	3391
Xanthine	5	119	5	119	13	62	5	116

<b>Purines</b>	<b>&lt;2y</b>		<b>≥2y to ≤18y</b>		<b>&gt;18y</b>		<b>unspecified age</b>	
	<b>RI limit</b>		<b>RI limit</b>		<b>RI limit</b>		<b>RI limit</b>	
	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>
<b>Analyte/creatinine ratio</b>		<b>mmol/mol creatinine</b>		<b>mmol/mol creatinine</b>		<b>mmol/mol creatinine</b>		<b>mmol/mol creatinine</b>
Adenine /Cr	0.2	10.1	0.0	9.9	0.0	3.2	0.0	10.2
Adenosine /Cr	0.0	1.2	0.0	0.7	0.0	0.3	0.0	0.7
Succinyladenosine /Cr	2.4	6.1	0.4	3.0	0.4	1.5	0.4	4.8
Deoxyadenosine /Cr	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.02
Deoxyguanosine /Cr	0.00	0.42	0.00	0.00	0.00	0.02	0.00	0.29
Deoxyinosine /Cr	0.00	0.40	0.00	0.01	0.00	0.00	0.00	0.06
Guanine /Cr	0.1	5.9	0.0	4.6	0.0	0.4	0.0	6.0
Guanosine /Cr	0.04	2.08	0.00	0.45	0.00	0.20	0.00	1.79
Hypoxanthine /Cr	3	39	3	39	1	13	2	38
Inosine /Cr	0.3	5.2	0.2	2.0	0.0	1.1	0.0	4.6
Uric Acid /Cr	166	1222	41	994	93	313	56	1179
Xanthine /Cr	11	42	2	34	2	12	2	35

<b>Pyrimidines</b>	<b>&lt;2y</b>		<b>≥2y to ≤18y</b>		<b>&gt;18y</b>		<b>unspecified age</b>	
	<b>RI limit</b>		<b>RI limit</b>		<b>RI limit</b>		<b>RI limit</b>	
	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>	<b>lower</b>	<b>upper</b>
<b>Analyte/creatinine ratio</b>		<b>mmol/mol creatinine</b>		<b>mmol/mol creatinine</b>		<b>mmol/mol creatinine</b>		<b>mmol/mol creatinine</b>
5-hydroxymethyl-uracil /Cr	0.00	0.25	0.00	0.02	0.00	0.16	0.00	0.16
Deoxyuridine /Cr	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00
Dihydrothymine /Cr	0.3	6.8	0.0	1.7	0.0	0.4	0.0	5.7
Dihydrouracil /Cr	0	18	0	6	0	2	0	15
N-carbamoyl-beta-alanine /Cr	6	36	2	23	2	11	2	31
Orotic acid /Cr	1.0	3.0	0.3	2.9	0.3	1.4	0.3	2.9
Orotidine /Cr	1.1	5.1	0.2	2.4	0.4	1.7	0.3	4.5
Pseudouridine /Cr	46	197	16	108	17	31	16	170
Thymidine /Cr	0.0	1.0	0.0	0.1	0.0	0.0	0.0	0.3
Thymine /Cr	0.3	1.1	0.1	1.1	0.1	0.2	0.1	1.2
Uracil /Cr	1	32	1	32	1	7	1	31
Uridine /Cr	0.5	3.5	0.0	2.3	0.0	1.0	0.0	3.4