



Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/Verified
Interpretation (PUPYU)	SEE NOTE f@						
Uracil	91 H@		[<= 20]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Thymine	73 H@		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Adenine	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Hypoxanthine	30 @		[<= 30]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Xanthine	15 @		[<= 20]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Orotic Acid (PUPYU)	3 @		[<= 5]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Dihydroorotic	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Uric Acid	530 @		[70-700]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 15:02:50
Deoxythymidine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Deoxyuridine	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Thymidine	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Uridine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Deoxyadenosine	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Deoxyinosine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Deoxyguanosine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Adenosine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Inosine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Guanosine	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
AICAR	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Succinyladenosine	3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Dihydrouracil	5 @		[<= 6]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Dihydrothymine	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
N-carbamoyl-beta-alanine	9 @		[<= 10]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
N-carbamoyl-beta-aminoisobutyric Acid	<3 @		[<= 3]	17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58
Reviewed By (PUPYU)	MICHELE DECKER @			17-153-102314	02-Jun-17 08:41:00	02-Jun-17 12:07:00	02-Jun-17 14:50:58

02-Jun-17 08:41:00 Interpretation (PUPYU):
 In this sample, the excretion of uracil and thymine were markedly elevated. These findings are suggestive of a diagnosis of dihydropyrimidine dehydrogenase (DPD) deficiency, a disorder of pyrimidine metabolism. DPD deficiency is clinically variable with severely affected patients identified early in life with epilepsy with normal intelligence and autistic features to severe mental retardation with microcephaly, general hypertonía and hyperreflexia. Furthermore, patients with residual enzyme activity are often only identified later in life due to drug toxicity when needing cancer treatment with 5-fluorouracil, a pyrimidine analogue. We need clinical information to provide further interpretation. Please contact the Biochemical Genetics consultant on call (Tel. 1-800-533-1710) if you have any questions.

-----ADDITIONAL INFORMATION-----
 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab

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Julio C. Delgado, M.D. M.S., Director of Laboratories

Example Report

Patient Age/Gender: 27 years Female
Printed: 02-Jun-17 15:20:10



02-Jun-17 08:41:00 N-carbamoyl-beta-aminoisobutyric Acid,N-carbamoyl-beta-alanine,Uridine,Dihydrouracil,Succinyladenosine,Deoxyguanosine,AICAR,Deoxyuridine,Inosine,Deoxyinosine,Guanosine,Deoxyadenosine,Deoxythymidine,Hypoxanthine,Uracil,Dihydroorotic,Adenosine, Interpretation (PUPYU),Uric Acid,Dihydrothymine,Orotic Acid (PUPYU),Xanthine,Adenine,Thymine,Reviewed By (PUPYU),Thymidine:
Performed at: Mayo Medical Laboratory, 3050 Superior Drive NW, Rochester, MN 55901

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