



Patient ID SA00140447	Patient Name VALIDATIONTESTING, METR1	Birth Date 1999-09-09	Gender F	Age 21
Order Number SA00140447	Client Order Number SA00140447	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 22 Nov 2020 12:00		

Cytochrome b5 Reductase, B

Result Name	Value	Unit	Reference Value	Performing Site
  Cytochrome b5 Reductase, B	<2.0	U/g Hb	7.8–13.1	1 MCR

Consistent with cytochrome b5 reductase deficiency (also called methemoglobin reductase deficiency). Clinically significant cytochrome b5 reductase deficiency causes recessive congenital methemoglobinemia (RCM), types I and II, both associated with cyanosis from birth. Type I affects red blood cells only and is relatively benign. Type II is global (affects both red and white blood cells) and is associated with severe neurologic dysfunction. Clinical findings and family studies are useful to establish the significance of the enzyme activity level and a definitive diagnosis.

Received: 23 Nov 2020 08:54

Reported: 23 Nov 2020 09:00

Laboratory Notes

- 1** 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.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292