


Patient ID <b>M0002210</b>	Patient Name <b>SAMPLEREP, PIPA A</b>	Birth Date <b>1971-09-28</b>	Gender <b>F</b>	Age <b>40</b>
Order Number <b>M0002210</b>	Client Order Number <b>M0002210</b>	Ordering Physician <b>,</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>27 Jun 2012 00:36</b>		

## Pipecolic Acid, S

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 **12.4 nmol/mL**  
**High**

**MCR**  
**Reference Value**  
≤7.4

manifestation of non-genetic liver or kidney disease. Elevated levels of pipecolic acid have also been observed in patients with pyridoxine-responsive seizures (see: Plecko et al. Ann Neurol 2000, 48: 121–5) and with respiratory chain defects (see: Baas et al J Inherit Metab Dis 2002; 25: 699–701).

### Interpretation

In this sample, the concentration of pipecolic acid was mildly elevated, a finding likely of no clinical significance. However, if consistent with the clinical presentation and other biochemical findings, such as plasma very long chain fatty acid analysis, this result could be indicative of a possible underlying disorder of peroxisomal biogenesis (see: Peduto et al. Mol Gen Metab 2004, 82:224–30). Alternatively, hyperpipecolic acidemia may also occur in patients with familial hyperlysinemia, or represent a

**MCR**

### ADDITIONAL INFORMATION

Gas Chromatography-Mass Spectrometry (GC-MS) Stable Isotope Dilution Analysis

### Reviewed By

JANICE HELGESON

**MCR**

**Received:** 27 Jun 2012 00:36

**Reported:** 25 Feb 2013 12:53

### Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905