



Dopamine Receptor D4 Genotype (DRD4),  
Blood

Patient ID <b>SA00059538</b>	Patient Name <b>SAMPLEREP, DRD4 A</b>	Birth Date <b>1966-06-10</b>	Gender <b>F</b>	Age <b>47</b>
Order Number <b>SA00059538</b>	Client Order Number <b>SA00059538</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>27 Jun 2013 00:00</b>		

**Dopamine Receptor D4 Genotype, B**

**48 BP Repeat Genotype**

MCR

4/7

**Interpretation**

MCR

This genotype has been associated with a poorer response to methylphenidate in individuals treated for attention deficit/hyperactivity disorder (ADHD). This individual may require higher than average doses of methylphenidate when treating ADHD.

**ADDITIONAL INFORMATION**

Analysis of DRD4 variable number tandem repeats (VNTRs) are performed by sizing of product amplicon following PCR amplification. Not all known mutations and polymorphisms of DRD4 will be detected using this assay. Absence of a detectable

gene mutation or polymorphism does not rule out the possibility that a patient has another variation that can impact the function of this receptor, drug response, or drug side effects.

**CAUTIONS:**

If the patient has had an allogeneic blood or marrow transplant or a recent (i.e. less than 6 weeks from time of sample collection) heterologous blood transfusion these results may be inaccurate due to the presence of donor DNA. Laboratory developed test.

**Reviewed by**

MCR

Jamie Bruflat

**Received:** 03 Jul 2013 13:34

**Reported:** 16 Sep 2013 17:48

**Performing Site Legend**

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