ARUPLaboratories

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Example Report

Patient Age/Gender: Unknown Female
Printed: 27-Dec-18 13:44:13

Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/ Verified
Platelet Antigen 1 Specimen	Whole Blood			18-357-900002	23-Dec-18 15:09:00	23-Dec-18 15:09:00	26-Dec-18 09:07:41
Platelet Antigen 1 Genotyping	a/a			18-357-900002	23-Dec-18 15:09:00	23-Dec-18 15:09:00	26-Dec-18 09:07:41
Platelet Antigen Geno Interpretation	See Note f			18-357-900002	23-Dec-18 15:09:00	23-Dec-18 15:09:00	26-Dec-18 09:07:41

23-Dec-18 15:09:00   Platelet Antigen Geno Interpretation:

Indication for testing: Assess risk for alloimmune thrombocytopenia.

HPA-1a/a Homozygous: Two copies of the common human platelet antigen (HPA)-1 "a" allele were identified.

This result has been reviewed and approved by Pinar Bayrak-Toydemir, M.D., Ph.D.

 23-Dec-18 15:09:00   Platelet Antigen Geno Interpretation:
BACKGROUND INFORMATION: Platelet Antigen 1 Genotyping (HPA-1)

Characteristics: Spontaneous fetal intracranial bleeding may occur in 20 percent of
pregnancies affected with severe perinatal alloimmune thrombocytopenia (PAT); there is a
risk of fetal death. Post-transfusion purpura may occur in transfusion recipients with
antibodies to a specific platelet antigen.
Incidence: PAT occurs in 1 in 5000 births.
Inheritance: For women homozygous for a rare "b" HPA allele with antibodies to the common
"a" allele, there is a 50 percent risk a pregnancy will be affected if her partner is
heterozygous for the "a" allele and 100 percent risk if her partner is homozygous for the
"a" allele.
Cause: Maternal-fetal HPA incompatibility.
Polymorphism Tested: HPA-1 (ITGB3, GPIIIa) c.176T>C, p.L59P
Clinical Sensitivity: 80 percent in Caucasians, unknown in other ethnicities.
Methodology: PCR followed by fluorescent monitoring.
Analytic Sensitivity and Specificity: 99 percent.
Limitations: Bloody amniotic fluid specimens may give false-negative results because of
maternal cell contamination. Diagnostic errors can occur due to rare sequence variations.
Informed consent: Recommended; forms are available at http://www.aruplab.com.

Test developed and characteristics determined by ARUP Laboratories. See Compliance
Statement C: aruplab.com/CS

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