

## **Laboratory Service Report**

## 1-800-533-1710

Patient Name TESTING,88535	Patient ID	Age	Gender	<b>Order #</b> W2918151
Ordering Phys		DOB		•
Client Order # W2918151	Account Information C7999998-STUSTEST	Report N	otes	
<b>Collected</b> 10/14/2009 07:42	200 FIRST STREET SW ROCHESTER, MN 55901			
<b>Printed</b> 10/14/2009 12:20	(507)266-5730			

Specimen ID Order Date 12 Feb 2009 15:53 Mc Reason for Referral esophageal atresia, small for dates, measuring 12 days smaller Method FISH for Wolf-Hirschhorn syndrome using a probe for the critical region (WHS) at 4p16.3 and a control probe (D4Z1) at the chromosome 4 centromere.  Result ish del(4)(p16.3p16.3)(WHS-) WHS hybridized to only one chromosome 4 in ten metaphase cells and no WHS signal was observed on any other chromosome.  Interpretation The result is abnormal. A deletion of WHS was observed, consistent with a diagnosis of Wolf-Hirschhorn syndrome.  Parental chromosome and FISH analysis could be performed to rule out a familial chromosome abnormality. A genetic consultation may be of benefit. Rodriguez et al., Amer J Med Genet 136:175-178, 2005.  Chromosome and other FISH studies are reported separately.  This FISH assay does not rule out other chromosome abnormalities.  DISCLAIMER: This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN. It has not been cleared or approved by the U.S. Food and Drug Administration.  Consultant Gopalrao V N Velagaleti PhD	Test	Flag	Results	Unit	Reference Value	Perform Site*
Specimen ID 628031 MM Reason for Referral esophageal atresia, small for dates, measuring 12 days smaller Method FISH for Wolf-Hirschhorn syndrome using a probe for the critical region (WHS) at 4pl6.3 and a control probe (D421) at the chromosome 4 centromere.  Result ish del(4)(pl6.3pl6.3)(WHS-) WHS hybridized to only one chromosome 4 in ten metaphase cells and no WHS signal was observed on any other chromosome.  Interpretation The result is abnormal. A deletion of WHS was observed, consistent with a diagnosis of Wolf-Hirschhorn syndrome.  Parental chromosome and FISH analysis could be performed to rule out a familial chromosome abnormality. A genetic consultation may be of benefit. Rodriguez et al., Amer J Med Genet 136:175-178, 2005.  Chromosome and other FISH studies are reported separately.  This FISH assay does not rule out other chromosome abnormalities.  DISCLAIMER: This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic, Rochester, NN. It has not been cleared or approved by the U.S. Food and Drug Administration.  Consultant Gopalrao V N Velagaleti PhD	olf-Hirschhorn, 4p Del, FISH			REPORTED 10	0/14/2009 08:00	
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Consultant MC Gopalrao V N Velagaleti PhD	characteristics determing Pathology, Mayo Clinic, in cleared or approved by the	ed by Laboratory Rochester, MN.	Medicine and It has not been			
Gopalrao V N Velagaleti PhD						MCR
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	Released Date	11110	13 Feb 2009 13:18			MCR

## \* Performing Site:

MCR	Mayo Clinic Dpt of Lab Med & Pathology	Lab Director: Franklin R. Cockerill, III. M.D.
IVICK	200 First St SW Rochester, MN 55905	Lab Director. Franklin R. Cockerill, III, W.D.

Patient Name	Collection Date and Time	Report Status
TESTING,88535	10/14/2009 07:42	Final
Page 1 of 1		** End of Report **

<sup>\*</sup> Report times for Mayo performed tests are CST/CDT