**Beta Thal Short 72000-A**

**DATE:** 07/22/08  **TIME:** 20:49:46

**TECH ID#** 0  
**VIAL#** 44  
**SAMPLE ID#** 000000000000000000

<table>
<thead>
<tr>
<th>ANALYTE ID</th>
<th>%</th>
<th>TIME</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>29.2</td>
<td>1.14</td>
<td>400598</td>
</tr>
<tr>
<td>Ao</td>
<td>2.9</td>
<td>2.22</td>
<td>37081</td>
</tr>
<tr>
<td>A2</td>
<td>5.0</td>
<td>3.58</td>
<td>67503</td>
</tr>
<tr>
<td>S-WINDOW</td>
<td>62.8</td>
<td>4.26</td>
<td>809541</td>
</tr>
</tbody>
</table>

**TOTAL AREA** 1314723

<table>
<thead>
<tr>
<th></th>
<th>F</th>
<th>A2</th>
</tr>
</thead>
<tbody>
<tr>
<td>%</td>
<td>29.2%</td>
<td>5.0%</td>
</tr>
</tbody>
</table>

---

![Graph showing F and A2 analytes]
The chromatogram and data in this case report are actual laboratory findings. Bio-Rad Laboratories, Inc. does not validate or confirm the sample data included in this database. All information contained herein is for informational use only and is not meant as a definitive identification of hemoglobin genotype.

Hb name: Sickle Cell Disease / HPFH
Genotype: SS + HPFH

Hematology
Hb (g/dL): 9.8
RBC (M/ml): 3.47
MCV (fL): 82.6
MCH (pg): 28.6
RDW: 17.2
Morphology: 3+ polychromic, rare sickle cells

Age: 7
Gender: male

Reference Laboratory:
Dr. Peter Howanitz
Kings County Hospital Center
Brooklyn, NY, USA

Bio-rad Comments:
High level of HbF may be due to the aplotype. Confirmation studies are still on going.