### Beta Thal Short 72000-A

**DATE:** 07/24/08  **TIME:** 21:06:00

**TECH ID:** 0  **VIAL:** 38  **SAMPLE ID:** 0000000000000000000

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**TOTAL AREA:** 1154694

**F:** 0.0%  **A2:** 2.5%
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: Sunshine Seth

Confirmation methods: DNA sequencing, alkaline starch gel electrophoresis

Additional Information:
MCV: 94.0 fL
MCH: 27.7 pg
RBC: 4.48 M/µL
HGB: 12.4 g/dL
Stability: mildly unstable
Age: 71 years
Gender: female
Ethnic origin: unknown

Molecular diagnosis: heterozygosity Hb sunshine Seth (alpha2 cd 94 GAC-> CAC)
Follow up: no genetic risk known

Reference Laboratory:
Dr. Piero C. Giordano
Hemoglobinopathies Laboratory
Human and Clinical Genetics Department
Leiden University Medical Center
Leiden, The Netherlands

Bio-Rad Comments:
Hb Sunshine Seth alpha 94(G1) Asp>His. The purified abnormal Hb is described as slightly unstable with some decreased oxygen affinity. The heterozygote is clinically normal.