



Patient ID <b>SA00057310</b>	Patient Name <b>SAMPLEREPOR, CD4RT</b>	Birth Date <b>2000-06-10</b>	Gender <b>F</b>	Age <b>12</b>
Order Number <b>SA00057310</b>	Client Order Number <b>SA00057310</b>	Ordering Physician <b>Client, Client</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>08 May 2013 00:00</b>		

## CD4 RTE, Flow Cytometry

### CD4 Absolute (cells/uL)

 **255 cells/mcL**

Low

MCR


Reference Value  
582–1630

### Interpretation

 MCR

Significantly decreased CD4 T cell count for age using an age-segregated reference range. The relative frequency of CD4 T cells compared to the total lymphocyte population is also decreased at 9%. Of the total CD4 T cells, 0% express the naive T cell marker, CD45RA and 98% express the CD45RO memory marker. This pattern is extremely skewed for age and indicative of a leaky SCID phenotype. Of the total CD4+CD45RA+ T cells, 0% express the recent thymic emigrant marker CD31. This result is indicative of absent thymic function for age. Strongly recommend appropriate genetic evaluation for a T-B+NK+ SCID with features of Omenn syndrome. Also recommend testing to rule out maternal engraftment and establish autologous nature of T cells.

### CD4 RTE %


 **0.0 % CD4 T cells**

Low

MCR

Reference Value  
25.8–68.0

### CD4 RTE Absolute

 **0.0 cells/mcL**

Low


MCR

Reference Value  
170.0–1007.0

Received: 09 May 2013 15:23

Reported: 03 Oct 2013 12:54

### Laboratory Notes

-  Analyte Specific Reagent: This test was developed and its performance characteristics determined by Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration.

### Performing Site Legend

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