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FLOW CYTOMETRY REPORT – PNH EVALUATION

SAMPLE REPORT

Name: PNH, Positive
DOB: 7/31/1973 Sex: M MR #: 123456789
Facility: Ordering Facility
Dept: Outpatient

Pathology Number: F-15-55555
Date of Procedure: 6/15/2007
Date of Accession: 6/15/2007

Physician: Ordering Provider, M.D.
Ordering Facility
Street Name
City, State Zip code
(999) 123-4567

Copies to: Other providers/clinicians

TISSUE/SPECIMEN: Peripheral Blood in EDTA

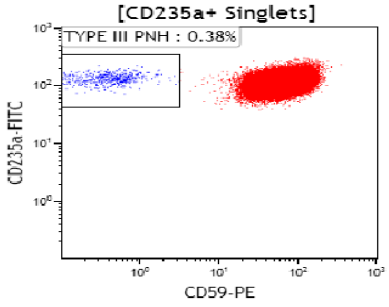
DIAGNOSIS: 1. PNH CLONE IDENTIFIED IN WBC
2. MINOR POPULATION OF PNH CELLS IDENTIFIED IN RBC

Comment: Flow cytometric analysis shows a PNH clone within the granulocytes (1.4%), monocytes (1.3%) and a minor PNH clone in the RBC (0.4%). The clinical significance of the small populations with GPI deficiency is uncertain at this time; recommend repeat testing in 3-6 months. Clinical correlation is recommended.

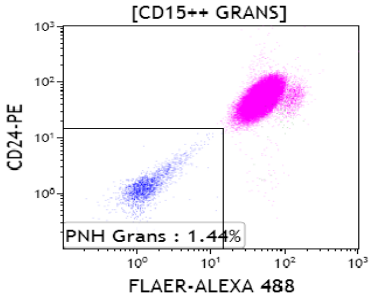
Reference: 1. Borowitz et al: Guidelines for the Diagnosis and Monitoring of PNH and Related Disorders, Clin Cytometry 2010, 211-230
2. Sutherland et al: Practical guidelines for the high-sensitivity detection and monitoring of PNH clones by flow cytometry. Cytometry B Clin Cytom 2012; 82:195-208.
3. http://www.pnhsource.com/physicians

Flow Results: ***Immunophenotypic analysis*** was performed using gating antibodies CD45, CD15, CD64, CD235a, GPI-linked antibodies CD59, CD14, CD24, as well as fluorescent Aerolysin (FLAER).

Cell Type	Current result	Previous Date	Previous Date	Previous Date
Type III RBC's	**0.4%**	0.14%	0.07%	0.06%
PNH Monocytes	**1.3%**	0.51%	0.23%	0.20%
PNH Granulocytes	**1.4%**	0.58%	0.24%	0.18%



Minor Type III (blue) PNH clone in RBC's



PNH clone (blue) in Granulocytes

The markers used for this flow cytometric analysis are labeled as Analyte Specific Reagents (ASR) and are used for clinical purposes. The performance characteristics of these markers have been determined by DCDS-Flow Cytometry Laboratory. Their use has not been approved by the U.S. Food and Drug Administration; the FDA has determined that such approval is not necessary.

Electronic Signature Pathologist
Date