

DAHL-CHASE DIAGNOSTIC SERVICES

417 State Street, Suite 540
Bangor, Maine 04401

Phone: 877-PNH-FLOW

Fax: 207-941-8287

www.dahlchase.com

FLOW CYTOMETRY REPORT – PNH EVALUATION

SAMPLE REPORT

Name:	PNH, Positive	Pathology Number:	F-07-20349
DOB:	7/31/1973 Sex: M MR #: 123456789	Date of Procedure:	6/15/2007
Facility:	Ordering Facility	Date of Accession:	6/15/2007
Dept:	Outpatient		

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 Heparin

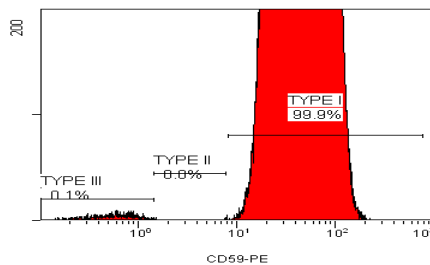
DIAGNOSIS: MINOR (<1%) PNH CLONE IDENTIFIED IN WBC AND RBC

Comment: Flow cytometric analysis shows a minor population of PNH cells within the granulocytes (0.21%) and RBC (0.12%). The clinical significance of a minor PNH clone is uncertain at this time. An evolving larger PNH clone cannot be excluded. Recommend follow-up testing within 3-6 month. Clinical correlation with other laboratory data and follow-up is recommended.

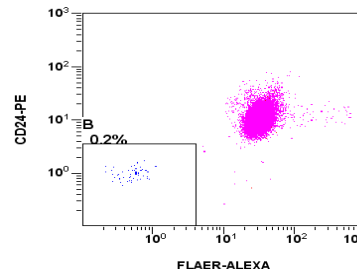
Reference: Richards et al: Diagnosis and Management of PNH, Blood 2005, 106 (12)

Flow Results: *Immunophenotypic analysis* was performed using gating antibodies CD45, CD15, CD33, CD64, GPI-linked antibodies CD59, CD14, CD24, as well as fluorescent Aerolysin (FLAER).

Cell Type	Deficiency	Result
RBC	Type III (complete CD59 deficiency)	0.12 (776 cells/658,364 RBCs)
WBC - Granulocytes	FLAER/CD24 Deficiency	0.21% (103 cells/50,000 Granulocytes)



Minor population of CD59 deficient RBCs (rescaled histogram)



Minor 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/Technologist
Date

