

Change in Reporting for Kleihauer Test, Blood

Effective August 30, 2021, UVMHC Hematology Lab will be making changes related to the reporting of the Kleihauer-Betke assay. Historically, results have consisted of **one** of the following:

- No Fetal Cells Seen
- Rare Fetal Cell Seen
- Rare Fetal Cells Seen
- A numeric value representing the Fetal/Maternal Hemorrhage in mL.

Going forward, there will be three parts to the report:

1. Positive or Negative result
2. Fetal/Maternal Hemorrhage in mL
3. Doses of RhIG (300 mcg Intramuscular) indicated with the following statement:

“A recommended dose of Rh immune globulin (RHIG, 300 mcg, IM) is reported for all samples. RHIG (anti-D antibody) is given to Rh-negative (D-negative) mothers who are pregnant with an Rh-positive (D-positive) fetus to help prevent development of a maternal immune response (anti-D) to the D antigen on fetal red blood cells. RHIG can be given either before or after delivery. The volume of fetal-maternal hemorrhage determines the dose of RHIG to be administered. Local hospital policies and procedures should be followed to determine if the recommended dose of RHIG is indicated.”

If no fetal cells are seen, the result will be reported as Negative, the volume will be reported as 0.0 mL, and the Doses of RhIG (300 mcg Intramuscular) will be reported as 1.

Example of Negative Result

Test, Kleihauer
F, 30 yrs, N/A

Report Recipient:

Submitter: Hematology QA
Lisa Reste Mailbox

Authorizing Provider

Conant, Joanna L, MD F: 802-847-5905
111 Colchester Avenue, Main Campus, East Pavilion, Level 2, Burlington VT 05401-1473

Kleihauer blood (Final result)

Component	Value	Ref. Range
Kleihauer Test	Negative	Negative
mL F/M HEMORRHAGE:	0.0	0.0 mL F/M HEMORRHAGE

Doses of Rhlg (300 mcg intramuscular): 1
A recommended dose of Rh immune globulin (RHIG, 300 mcg, IM) is reported for all samples. RHIG (anti-D antibody) is given to Rh-negative (D-negative) mothers who are pregnant with an Rh-positive (D-positive) fetus to help prevent development of a maternal immune response (anti-D) to the D antigen on fetal red blood cells. RHIG can be given either before or after delivery. The volume of fetal-maternal hemorrhage determines the dose of RHIG to be administered. Local hospital policies and procedures should be followed to determine if the recommended dose of RHIG is indicated.

Resulting Lab: UVMHC LAB

PATHOLOGY & LABORATORY MEDICINE

111 Colchester Avenue | Mail Stop: 233MP1 | Burlington, Vermont 05401

PHONE LABORATORY CUSTOMER SERVICE

(802) 847-5121 | (800) 991-2799

Change in Reporting for Kleihauer Test, Blood

Example of Positive Result

Test, Kleihauer
F, 30 yrs, N/A

Report Recipient:

Submitter: Hematology QA
Lisa Reste Mailbox

See Values: mL F/M HEMORRHAGE: (HH), Kleihauer Test (A)

Authorizing Provider

Conant, Joanna L, MD F: 802-847-5905
111 Colchester Avenue, Main Campus, East Pavilion, Level 2, Burlington VT 05401-1473

Kleihauer blood (Final result)

Component	Value	Ref. Range
Kleihauer Test	Positive (A)	Negative
mL F/M HEMORRHAGE:	15.0 (HH)	0.0 mL F/M HEMORRHAGE

Doses of Rhlg (300 mcg intramuscular):

2

A recommended dose of Rh immune globulin (RHIG, 300 mcg, IM) is reported for all samples. RHIG (anti-D antibody) is given to Rh-negative (D-negative) mothers who are pregnant with an Rh-positive (D-positive) fetus to help prevent development of a maternal immune response (anti-D) to the D antigen on fetal red blood cells. RHIG can be given either before or after delivery. The volume of fetal-maternal hemorrhage determines the dose of RHIG to be administered. Local hospital policies and procedures should be followed to determine if the recommended dose of RHIG is indicated.

Resulting Lab: UVMHC LAB

The current test, LAB762, will be inactivated and replaced by the new test, LAB15186:

New Orderable Name	Epic Code	Atlas Code	Mayo Access ID	LOINC Code
Kleihauer Test, Blood	LAB15186	LAB15186	FAH5943	32140-6

New Reportables	Epic Code	Atlas Code	Mayo Access ID	LOINC Code
Kleihauer Test	12301011923	LRR11923	FAH5944	32140-6
mL F/M Hemorrhage	12301011924	LRR11924	FAH5945	48555-7
Dose of Rhlg	12301011925	LRR11925	FAH5946	1313-6

Current Orderable Name	Epic Code	Atlas Code	Mayo Access ID	LOINC Code
Kleihauer Test, Blood	LAB762	KLI	FAH5917	48555-7

There will be no changes to the methodology, specimen requirements, or units of measure reported.

For questions or concerns, please contact Dr. Joanna Conant at Joanna.Conant@uvmhealth.org.

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