

Policy Revisions to address Beckman Coulter recommendations for hemolysis on Phosphorus assay. – 9/2021

Phosphorus policy and Hemolysis Grid have been updated. See below.

Due to the high concentration of Phosphorus within red blood cells, hemolyzed samples with index of >1 should not be reported. The result should be entered as “Hemolyzed”, the floor notified and a footnote including the name of the person taking the information, the date and time of the call, and the tech’s ID.

HEMOL index ≤ 1, report result with @HEM1 comment.

HEMOLYSIS GRID

Appendix- H1

	K	MG	PHOS	URIC	BILIT* includes BF	BILID* includes BF	LDH includes BF	FE	NH3	CFTP
0	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT
1	NO EFFECT	NO EFFECT	RESULT # WITH COMMENT @HEM1	NO EFFECT	NO EFFECT	NO EFFECT	RESULT # WITH COMMENT @HEM1	RESULT # WITH COMMENT @HEM1	RESULT # WITH COMMENT @HEM2***	RESULT # WITH COMMENT @HCSF
2	RESULT # WITH COMMENT @HEM1	NO EFFECT	HEMO AND CALL	NO EFFECT	RESULT # WITH COMMENT @HEM1	RESULT # WITH COMMENT @HEM3	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	RESULT # WITH COMMENT @HCSF
3	HEMO AND CALL	NO EFFECT	HEMO AND CALL	NO EFFECT	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	RESULT # WITH COMMENT @HCSF
4	HEMO AND CALL	RESULT # WITH COMMENT @HEM1	HEMO AND CALL	RESULT # WITH COMMENT @HEM1	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	RESULT # WITH COMMENT @HCSF
5	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL	HEMO AND CALL
LOW CRITICAL	<3.0	<0.7	<1.1							
HIGH CRITICAL	>6.0	>2.3			>14.9 neonate			>300	>100	
COURTESY					>11.9 neonate					

* OK to report TBILU & DBILU on Neonates (<14days) but be sure to add hemolysis comment @HEM2. Hemolysis of 5 or check is reported as grossly hemolyzed.

Comment @HEM1 Hemolysis present. Actual result may be lower. Submit a new specimen for retest if clinically indicated.

Comment @HEM2 Hemolysis present. Submit a new specimen for retest if clinically indicated.

Comment @HEM3 Hemolysis present. Actual result may be higher. Submit a new specimen for retest if clinically indicated.

Comment @HEM1 called as hemolyzed to _ at _ by _

Comment @HCSF Hemolysis present. This result may be falsely elevated due to the presence of intracellular contents.

Please review, acknowledge, and sign off on attached sheet. Thank you.