Job Aid	Bleeding Diathesis Screen Worksheet Job Aid - Laboratory	Document ID	12668
Keywords	**bleeding, diathesis, screen, work, sheet, worksheet**		
Department	**Hematology**		

I. Purpose

Use the following job aid to document all results of testing performed for a Bleeding Diathesis Screen.

See the next page for form.

Responsible Owner:	Hematology - Laboratory	**Contact(s):**	Lauren Salvatore
Approved By:	Office of Policy Support - All Other Documents, Malory Tetreault, Nancy Dunbar	**Version #**	7
Current Approval Date:	12/11/2023	**Old Document ID:**	
Date Policy to go into Effect:	12/11/2023		
Related Polices & Procedures:	Prothrombin Time Procedure - Laboratory Activated Partial Thromboplastin Time Procedure - Laboratory Platelet Function Analyzer Procedure - Laboratory Thrombin Time Procedure - Laboratory Fibrinogen Procedure - Laboratory von Willebrand Factor Activity Procedure - Laboratory von Willebrand Factor Antigen Procedure - Laboratory Intrinsic Factor Assays - VIII, IX, XI, XII Procedure - Laboratory Extrinsic Factor Assays - II, V, VII, X Procedure - Laboratory Coagulation Specimen Collection and Handling Procedure - Laboratory ACL TOP 550 General Operating Procedure - Laboratory Dilute Russell's Viper Venom (dRVVT) Assay Procedure - Laboratory Silica Clotting Time Procedure - Laboratory Bleeding Diathesis Screen Procedure - Laboratory		
Related Job Aids:			

Dartmouth Health

Coagulation Laboratory, Hematology, Department of Pathology & Laboratory Medicine, Dartmouth-Hitchcock, Lebanon, NH 03756

Apply Accessioning Label Here
10-YY-XXX-XXXX

BLEEDING SCREEN

Apply Case Label Here
10-BS-YY-XXXXX

ROUTINE TESTING

Test	Result	Ref. Range*
HCT		M: 40.5 – 48.5% F: 35.7 – 45.8%
Platelet Count		145 – 357 x10^3/mcL
PT		9.4 – 12.5 sec
PTT		25 – 37 sec
Fibrinogen		200 – 393 mg/dL
Thrombin Time		10 – 17 sec
Factor 8 Assay		≥ 50%
vWF Antigen		> 50%
vWF Activity		> 50%
PFA-100 Col/Epi		≤ 160 sec
Other studies pending: *(check if applicable)*	☐ Mixing Study ☐ Platelet aggregation studies ☐ Factor 13	

REFLEX TESTING

- *If PT is prolonged ≥ 2.5 sec – add F5, F7*
- *If PTT prolonged ≥ 5 sec – add F9, F11, SCT, dRVVT*
- *If both PT/PTT prolonged to any degree – add F2, F5, F10*
- *F12 performed only upon TMS physician request*

Test	Result	Ref. Range*
Factor 2 Assay		*≥ 79%*
Factor 5 Assay		*≥ 62%*
Factor 7 Assay		*≥ 50%*
Factor 9 Assay		*≥ 65%*
Factor 10 Assay		*≥ 77%*
Factor 11 Assay		*≥ 65%*
Factor 12 Assay		*≥ 50%*
dRVVT		*<1.20 ratio*
SCT		*<1.20 ratio*

- *If PFA 100 Col/Epi prolonged - add PFA-100 Col/ADP*

PFA-100 Col/ADP		*≤ 120 sec*

**ADULT ranges provided; refer to #6140 in Policy Tech for pediatric ranges*

To be completed by the TMS physician(s):

Platelet morphology:	
Interpretation:	

Resident/Fellow: _____ *Attending:* _____ *Date:* _____

Reference ID # 12668, Version # 7
Approval Date: 12/11/2023

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Bleeding Diathesis Screen Evaluation

1. Specimens Required
    - 1 lavender top tube [CBC and platelet evaluation]
    - 4 large blue top tubes [Coagulation testing]
    - 2 large blue top tubes [PFA]
        - PFA evaluation only performed on specimens collected at Dartmouth Hitchcock Medical Center location.

2. Immediate processing instructions:
    - Plasma: spin blue top tubes, separate plasma from cells. Spin plasma again. Aliquot the double-spun plasma into ~1 mL volumes (4 to 5 tubes are ideal). Labels tubes with Cerner label or with 2 identifiers (full name, date of birth, medical record number) and date of specimen collection. Freeze plasma aliquots.
    - Send lavender top tube at room temperature within 24 hours.
    - PFA (2 blue top tubes) must be collected at Dartmouth Hitchcock Medical Center. Do not transport by courier, send through pneumatic tube system, or refrigerate samples.

3. Instructions for technologist in Dartmouth Hitchcock Medical Center Laboratory:
    - Perform PT, PTT, Fibrinogen and TT. Perform PFA if samples are available. Obtain slide and CBC printout.
    - If samples are not previously processed:
        - Plasma: spin blue tops, separate plasma from cells. Spin plasma again. Aliquot the double-spun plasma into ~1 mL volumes (4 to 5 tubes are ideal). Freeze plasma aliquots.
        - If plasma was previously processed, thaw 1 tube and run routine coagulation tests. Mark tube with “T” indicating thawed and refreeze sample when completed.
    - Record coagulation results, PFA result, hematocrit and platelet result on Bleeding Screen worksheet.
    - Special coagulation tech, perform factor and von Willebrand testing. Add on additional tests if needed based on results of PT and PTT.

4. Required history:
    - Relevant patient history?
      e.g., history of bruising/bleeding?
    - Relevant family history?
      e.g., family history of hemophilia or von Willebrand disease?
    - Aspirin, NSAIDS, anti-platelet drugs?
    - Warfarin, Heparin, other anticoagulants?

Note: The symbol < (less than), ≤ (less than or equal), > (greater than), and ≥ (greater than or equal) is utilized exactly as printed out from the instrument. The symbol is used in accordance with CLSI and CAP guidelines.