

1. Do you perform prothrombin time testing for any of the following purposes?

- A. Evaluation of bleeding Yes No
 B. Detection of factor deficiencies Yes No
 C. Assessment of liver disease Yes No
 D. Monitoring of oral anticoagulation therapy Yes No
 E. Other, please describe: _____

If you answered "No" for question 1.D. you have completed this questionnaire.

Please detach this page and return it in the enclosed envelope. Thank you for your participation.

2. A. Are prothrombin times/INRs performed in more than one location in your facility?

Yes No

◆ If "No", skip to question 3.

◆ If "Yes",

B. Which of the following describe the location(s), **other than your own**, where prothrombin times/INRs are performed in your facility?

- Nursing station _____
 Anticoagulation clinic _____
 Patient drawing station _____
 Other, please describe: _____

NOTE: Please answer the remaining questions only for the method you perform. Do not answer for testing done in any other location in your facility.

3. Please answer the following questions about the thromboplastin reagent you use:

A. What is the name and manufacturer of your reagent? _____

B. What is the International Sensitivity Index (ISI) value of your reagent? _____

C. Did you determine the sensitivity of your prothrombin time assay to heparin?

Yes No

D. Did you select a reagent that is insensitive to heparin in the heparin therapeutic range?

Yes No

E. Did you use a voluntary practice standard to guide you in the selection of your reagent?

Yes No Do not know

◆ If "Yes",

F. Which practice standard? _____

◆ If "No",

G. Why did you not use a voluntary practice standard for this decision?

- Not aware of practice standards addressing this Yes No
 Cannot afford to purchase practice standards Yes No
 Standards do not apply to my method Yes No
 Standards are too complicated Yes No
 Performed our own studies Yes No
 Do not agree with the standard Yes No
 Performed our own literature review Yes No
 Other, please describe: _____

4. Write the number of testing personnel that perform prothrombin time/INR at your site, according to the following educational and/or experience backgrounds:

- Medical Technologist or Clinical Laboratory Scientist
 Medical Laboratory Technician or Clinical Laboratory Technician
 Registered Nurse
 Licensed Practical Nurse
 Medical Assistant
 Pharmacist
 On the job trained
 Other, please describe: _____

5. Do any of your patients perform prothrombin times/INRs on themselves using a patient self-testing device? Yes No

6. A. Do you collect samples for prothrombin time/INR by venipuncture? Yes No

◆ If "No", skip to question 9.

◆ If "Yes",

B. What is the concentration of sodium citrate in the collection tubes you use?
(Check any that apply) 3.2% 3.8%

C. Did you use a voluntary practice standard to guide your selection of the citrate concentration of the collection tubes you use? Yes No Do not know

◆ If "Yes",

D. Which practice standard? _____

◆ If "No",

E. Why did you not use a voluntary practice standard for this decision?

- Not aware of practice standards addressing this Yes No
 Cannot afford to purchase practice standards Yes No
 Standards do not apply to my method Yes No
 Standards are too complicated Yes No
 Performed our own studies Yes No
 Do not agree with the standard Yes No
 Performed our own literature review Yes No
 Other, please describe: _____

7. A. Do you have a written policy addressing specimen acceptability and rejection for prothrombin time/INR testing? Yes No

◆If “No”, skip to question 9.

◆If “Yes”,

B. Did you use a voluntary practice standard to develop your policy for specimen acceptability and rejection? Yes No Do not know

◆If “Yes”,

C. Which practice standard? _____

◆If “No”,

D. Why did you not use a voluntary practice standard for your policy?

Not aware of practice standards addressing this Yes No

Cannot afford to purchase practice standards Yes No

Standards do not apply to my method Yes No

Standards are too complicated Yes No

Performed our own studies Yes No

Do not agree with the standard Yes No

Performed our own literature review Yes No

Other, please describe: _____

8. Do you address the following issues in your written specimen acceptance/rejection policy?

Collection of samples in a syringe Yes No

Properly anticoagulated specimen Yes No

Drawing specimens from patient lines Yes No

Time delays prior to testing Yes No

Order of multiple tubes Yes No

Correct volume of blood Yes No

Icterus Yes No

Lipemia Yes No

Abnormal hematocrits Yes No

Heparinized specimens Yes No

Difficult draws Yes No

Appropriate storage temperature Yes No

Adequate centrifugation (speed and time) Yes No

Hemolysis Yes No

Appropriate transport times Yes No

Adequate labeling of specimens Yes No

Adequate information on requisition Yes No

Information on requisition & specimen label match Yes No

Other, please describe: _____

13. In the patient report to clinicians, do you provide the following?

Specimen comments	_____ Yes	_____ No
Therapeutic ranges	_____ Yes	_____ No
Reference ranges (normal ranges)	_____ Yes	_____ No
Interpretation	_____ Yes	_____ No
Other, please describe: _____		

14. Do the following prompt you to repeat a patient test result?

Abnormal patient value	_____ Yes	_____ No
Critical patient value	_____ Yes	_____ No
Unusual value for patient's history	_____ Yes	_____ No
Instrument failure or flag	_____ Yes	_____ No
Quality control value outside of acceptable limits	_____ Yes	_____ No
Information from patient interview	_____ Yes	_____ No
Computer tracking system	_____ Yes	_____ No
Other, please describe: _____		

15. Do you perform the following quality assurance procedures?

Compare instrument print out to reported patient value	_____ Yes	_____ No
Compare patient value to previous values (delta check)	_____ Yes	_____ No
Immediately alert clinician about critical test results	_____ Yes	_____ No
Verify performance of new analytical test systems	_____ Yes	_____ No
Periodically verify calibration of all instrumentation	_____ Yes	_____ No
Participate in proficiency testing for protime/INR	_____ Yes	_____ No
Monitor your rate of patient specimen redraws	_____ Yes	_____ No
Monitor your rate of critical values reported	_____ Yes	_____ No
Monitor your rate of patient test repeats	_____ Yes	_____ No
Assure that clinician receives patient test results	_____ Yes	_____ No

16. Do you use the following approaches to evaluate the competency of your testing personnel?

Periodic written exam	_____ Yes	_____ No
Analysis of unknown samples	_____ Yes	_____ No
Review of procedure manuals	_____ Yes	_____ No
Direct observation of testing	_____ Yes	_____ No
Participation in continuing education	_____ Yes	_____ No
Successful performance of quality control	_____ Yes	_____ No

End of questionnaire

Please return your completed questionnaire in the enclosed envelope

Thank you for your participation