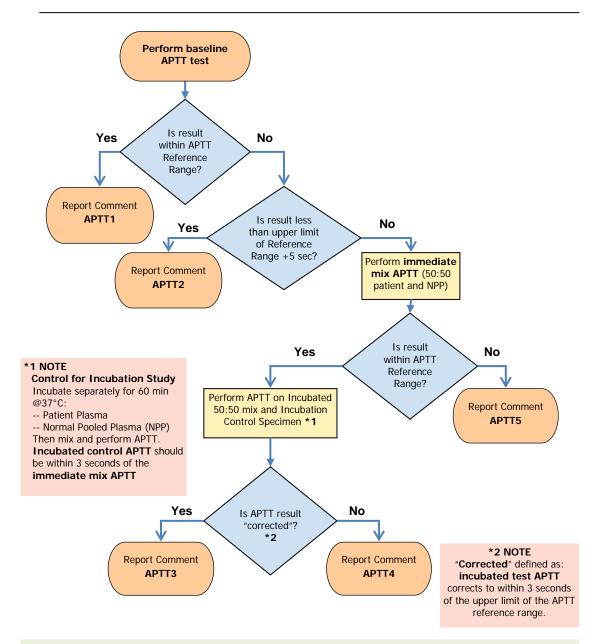
# **APTT Mixing Study**

Introduction	This process describes the stages that comprise the APTT mixing study workflow.
Scope	The intended users of this document include Clinical Laboratory Scientists (CLS) and Laboratory Technical Supervisors handling APTT mixing study samples, issues, or concerns.
Process	Refer to the diagram on Page 2 of this document to view the APTT mixing study workflow.

Continued on next page

Document No.: COAG.SCPMG.001 Examination Procedures Version No.: 01 Page 1 of 5

### **APTT Mixing Study, Continued**



#### **Report Comment Interpretations**

- APTT1: Patient baseline APTT is normal. Mixing Study not performed.
- APTT2: Patient baseline APTT is minimally prolonged (<5 seconds). Mixing study not performed due to limited clinical
  utility in these cases.</li>
- APTT3: APTT corrects with immediate mixing and remains corrected with incubation. Results of these studies are suggestive of factor deficiency.
- APTT4: APTT corrects with immediate mixing, but does not remain corrected with incubation. Results of these studies
  indicate a time- or temperature-dependent factor inhibitor such as factor VIII inhibitor or some lupus anti-coagulants.
   Further studies such as Factor VIII inhibitor or lupus anticoagulant testing may help identify the specific inhibitor.
- APTT5: APTT does not correct with mixing. Results are suggestive of an inhibitor. The presence of anticoagulant inhibitor drugs such as heparin or direct thrombin inhibitors cannot be excluded.

Continued on next page

Document No.: COAG.SCPMG.001 Examination Procedures Version No.: 01 Page 2 of 5

### **APTT Mixing Study, Continued**

# Non-Controlled Documents

The following non-controlled document supports this policy.

Clinical and Laboratory Standards Institute (CLSI). *Collection, Transport, and Processing of Blood Specimens for Testing Plasma-Based Coagulation Assays and Molecular Hemostasis Assays; Approved Guideline-Fifth Edition.* CLSI document H21-A5 (ISBN 1-56238-657-3). Clinical and Laboratory Standards Institute, 940 West Valley Road, Suite 1400, Wayne, Pennsylvania 19087-1898 USA, 2008.

# Controlled **Documents**

The following controlled document supports this procedure.

	Procedure	
APTT Mixing Study		

#### Author(s)

Ji Yeon Kim, MD, MPH Bill Brice, MT(ASCP), MBA Eleanor E. Callasan, MPH, CLS(ASCP)

Document No.: COAG.SCPMG.001 Version No.: 01

## APTT Mixing Study, Continued

### Reviewed and approved by:

Signature	Date	
majacel	11/20/2012	
Mary Anne Umekubo, MS, CLS Assistant Director of Laboratory Services, Esoteric Chemistry & Special Coagulation		
J.Din	11/00/12	
Vincent Dizon, MBA, CLS Director of Laboratory Services, Chemistry Section		
maureen ahler	11-20-12	
Maureen Ahler, MSQA, MT(ASCP) SCPMG Quality Systems Leader		
Jyk:	11/20/12	
Ji Yon/Kim, MD, MPH Assistant Medical Director, Regional Reference Laboratories		
Monopho	11/23/12	
Darryl Palmer-Toy, MD, PhD SCPMG Assistant Medical Director, Laboratory Services Director, Regional Reference Laboratories	-	

### Reviewed and approved by (for Medical Center Area Approval Only):

SIGNATURE	DATE		
Name: Operations Director, Area Laboratory			
Name: CLIA Laboratory Director			

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Document No.: COAG.SCPMG.001

Version No.: 01

**Examination Procedures** 

Page 4 of 5

Kaiser Permanente Medical Care Program California Division - South SCPMG Laboratory Systems Coagulation Process

# APTT Mixing Study, Continued

## **HISTORY PAGE**

Type of Change: New Major, Minor	Description of Change(s)	Quality Systems Leader/Date	Operations Director, Area Laboratory Review/Date	Laboratory Director Review/Date	Date Change Implemented
New		m.anler			
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