Document Title: TEG Graphical Depictions
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Author	Effective Date:	Supersedes Procedure #
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Revised by:	Date Revised:	Effective Date:

Approval Signature	Approval Date
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Laboratory Room G1564	1	QC/QA	1
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REVISION HISTORY

Procedure #	Revision Date	Reason for Revision

QC

L1 – Level I control

Reconstitute

1 ml dH$_2$O

Level 1

340µL Level I

20µL CaCl$_2$

L1
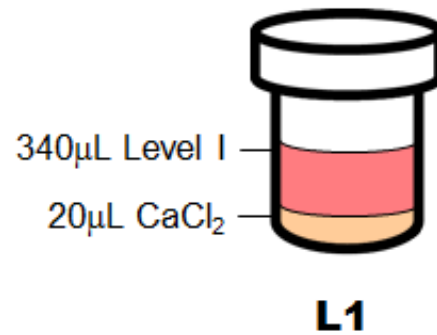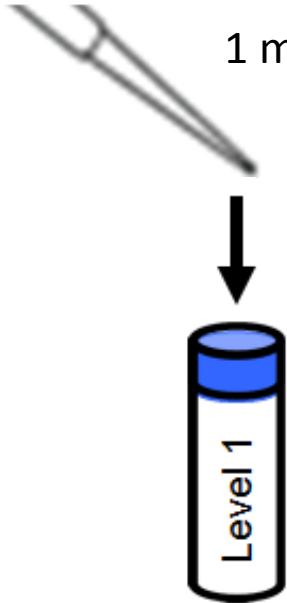
L2 – Level II control

Reconstitute

1 ml dH$_2$O

Level 2

340µL Level II

20µL CaCl$_2$

L2

TEG

CK – Citrated Kaolin

citrate

1mL

kaolin

340µL CK blood

20µL $CaCl_2$

CK
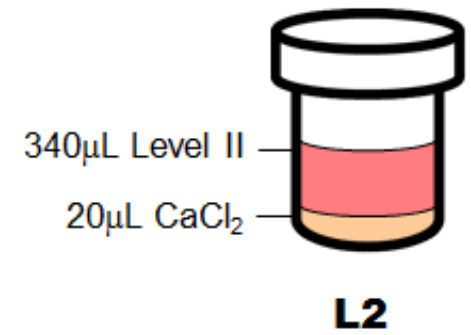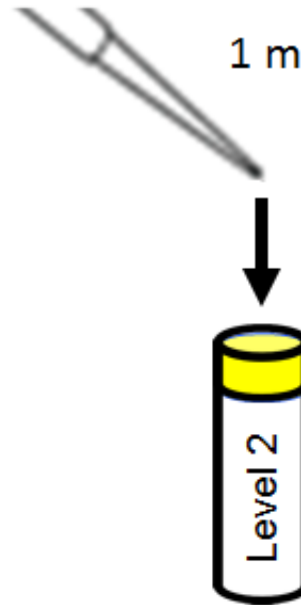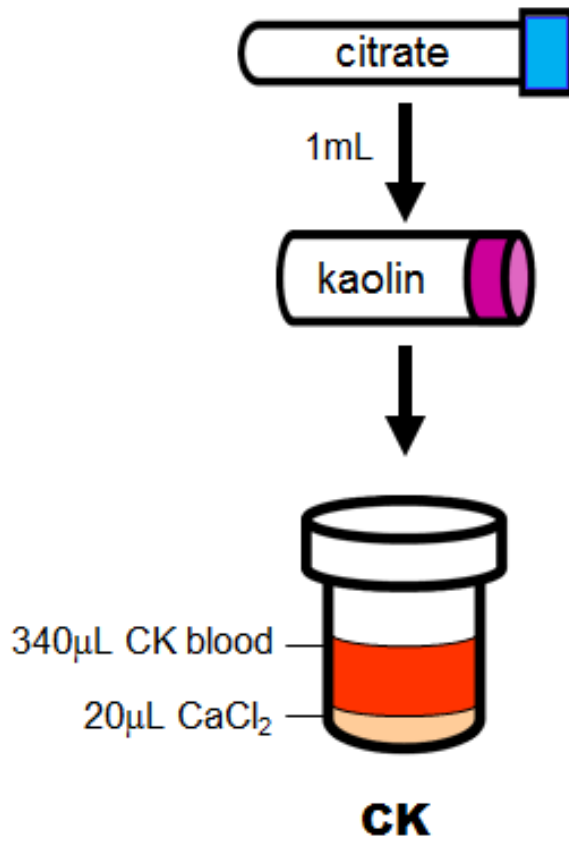
CKH – Citrated Kaolin Heparinase

citrate

1mL

kaolin

340µL CK blood

20µL $CaCl_2$

CKH

Platelet Mapping

citrate

1mL

kaolin

340μL blood
20μL CaCl$_2$

CK

Mix 3X

360μL blood

10μL A

A

Mix 3X

360μL blood
10μL ADP
10μL A

ADP

heparin

Mix 3X

360μL blood
10μL AA
10μL A

AA
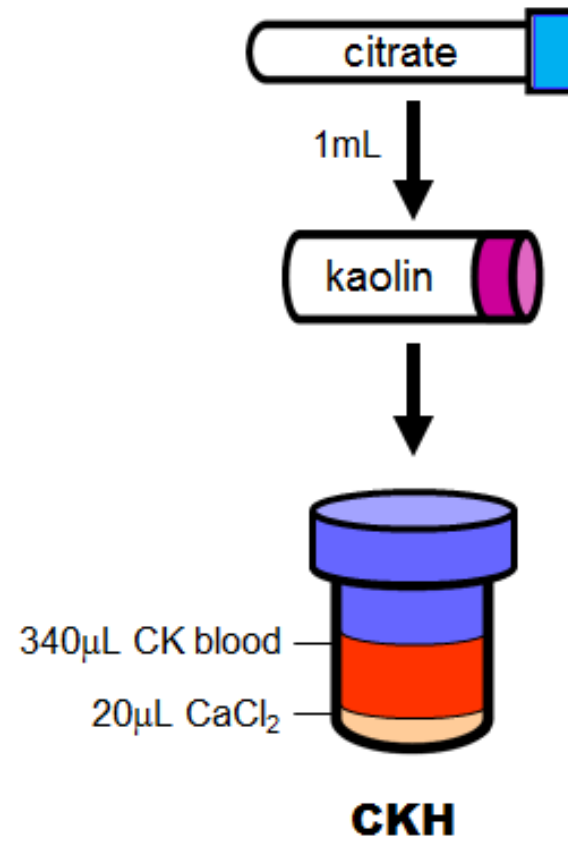
Heparinase Platelet Mapping

citrate

1mL

kaolin

340μL blood
20μL CaCl₂

CKH

heparin

Mix 3X

360μL blood
10μL A

A

Mix 3X

360μL blood
10μL ADP
10μL A

ADP

Mix 3X

360μL blood
10μL AA
10μL A

AA
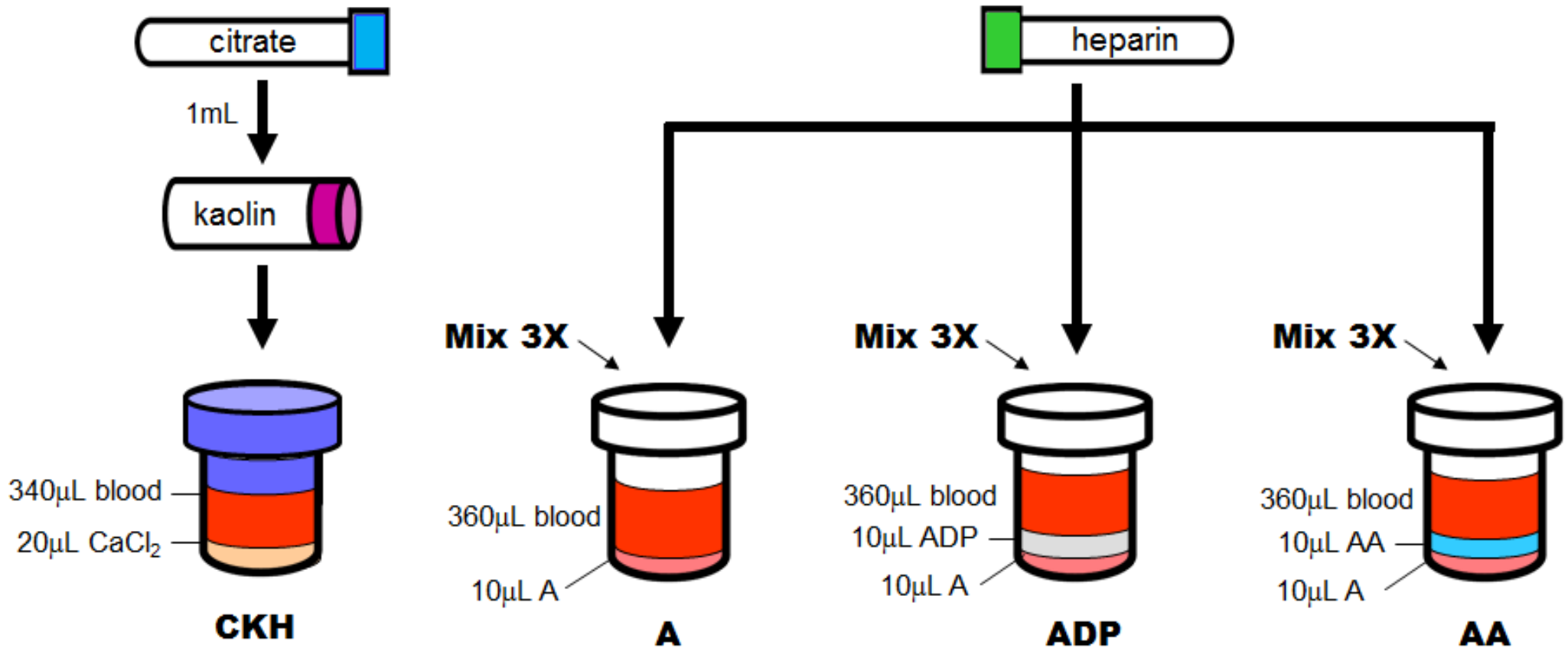
Functional Fibrinogen

Watch for Growing MA:

Once you have started all channels, **DO NOT DISCARD** Activator. Monitor the Activator (A-P1) channel. It should resemble Figure 2 (top and bottom lines are parallel).

If the tracing looks like Figure 1:

MA$_A$ is greater than 25mm **AND** the TMA is greater than 15 minutes

Run the Functional Fibrinogen

Occasionally you will get a tracing that looks like figure 1 but, the MA finalizes before platelet activation (secondary clot growth) begins. In this case it is not necessary to use FF as it will not change the result.
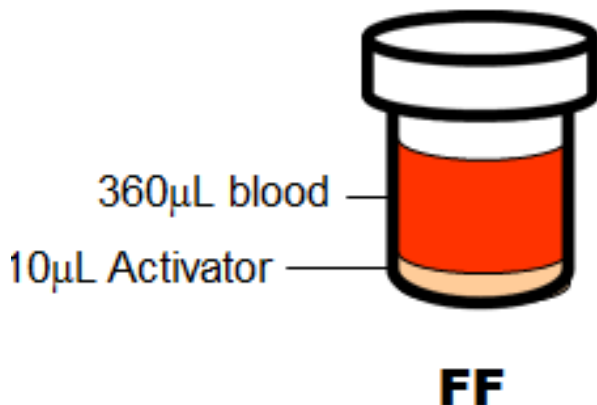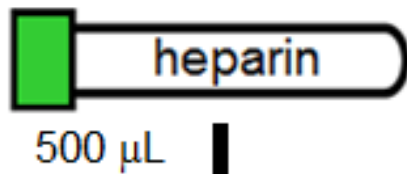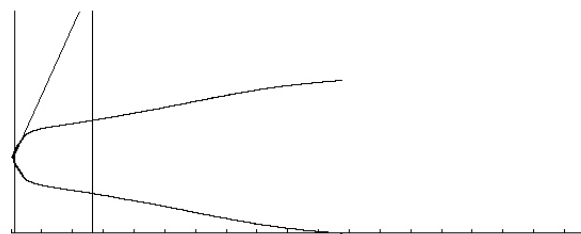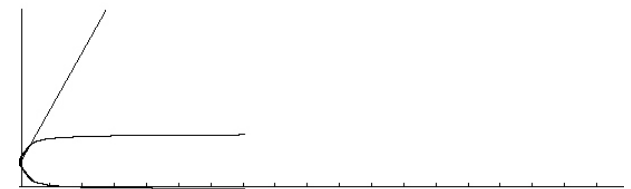
Figure 1   Figure 2

R min	K min	Angle deg	MA mm	LY30 %	G d/sc
0.5	12.7	62.0	41.5	*0*	3.6K

R min	K min	Angle deg	MA mm	LY30 %	G d/sc
0.5	N\A	56.2	12.8	0.0	0.7K