Sterile Safequip® USA LLC
Safe, Simple & Quality

ZellCLOT®

Mechanical Coagulation SOP

Standard operating procedure for PT, APTT and Fibrinogen on the ZellCLOT-M mechanical coagulometer.

1 Prothrombin Time (PT)

1. Pipette 50 µL of the sample (or control) into the test vial.
2. Start the timer and incubate the vial on the board for 120 seconds.
3. Place the test vial into the measuring unit.
4. When the Ready Signal appears, immediately add 100 µL of reagent.
5. Observe and record the clotting time displayed by the instrument.

2 Activated Partial Thromboplastin Time (APTT)

1. Pipette 100 µL of sample (or control) into a test vial.
2. Add 100 µL of aPTT reagent to the same vial.
3. Start the timer and incubate the vial on the board for 180 seconds.
4. After incubation, place the test vial into the measuring unit.
5. When the Ready Signal appears, immediately add 100 µL of $CaCl_2$.
6. Observe and record the clotting time displayed by the instrument.

3 Fibrinogen

1. Prepare a 1:10 dilution of the sample (or control) using OV buffer.
2. Pipette 100 µL of the diluted sample into the test vial.
3. Start the timer and incubate the vial on the board for 120 seconds.
4. After incubation, place the test vial into the measuring unit.
5. When the Ready Signal appears, immediately add 50 µL of thrombin reagent.
6. Observe and record the thrombin time displayed by the instrument.

Important note: In all tests, always follow the exact instructions provided in the manufacturer's kit pack insert.