Sterile Safequip® USA LLC
Safe, Simple & Quality

ZellCLOT®

Optical Coagulation SOP

Standard operating procedure for PT, APTT and Fibrinogen on the ZellCLOT-O1 optical coagulometer.

1 Prothrombin Time (PT)

1. Pipette 25 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 optic unit.
4. When the Ready Signal appears, immediately add 50 µL of reagent.
5. Observe and record the clotting time displayed by the instrument.

2 Activated Partial Thromboplastin Time (APTT)

1. Pipette 25 µL of sample (or control) into a test vial.
2. Add 25 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 optic unit.
5. When the Ready Signal appears, immediately add 25 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 50 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 optic unit.
5. When the Ready Signal appears, immediately add 25 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.