

ACP Max™ Production Quick Guide



Push the plunger of the ACP Max syringe down to the syringe bottom and attach one of the red caps to the syringe's Luer lock connector.

Transfer anticoagulated whole blood into the syringe via the swabbable back valve of the syringe plunger.

Remove the syringe guide. Do not discard.

Prepare counterweight by adding tap water to at least the same filling line as the patient syringe containing whole blood. Place ACP Max syringe and counterweight into opposite buckets of the centrifuge.



After centrifugation, withdraw PPP until ACP Max plunger is 2 graduations above the red phase.

Transfer the following 15 mL containing PPP and the buffy coat into the ACP double syringe.

Place ACP syringe and ACP counterweight into opposite buckets of the centrifuge. Please refer to the spin regimen chart on page 2 for centrifugation.

Carefully transfer yellow phase into the inner syringe by pressing on the red wings and pulling on the inner syringe plunger.

See next page for protocols and tips.

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Anticoagulate Volumes

- Addition of ACD-A is a requirement for the preparation of ACP Max
- The volume of ACD-A anticoagulant necessary depends on the initial amount of whole blood used

Blood volume	Total ACD-A volume
30 mL	4 mL
60 mL	8 mL
90 mL	12 mL



Ensure that the ACP Max container is placed perpendicularly to the rotor orientation as shown in the picture, and that the ACP Max spacer is positioned correctly in the bucket.

Spin Regimens

- The ACP Max system creates an output with a high concentration of platelets by using 2 spin cycles
- Spin time of the first spin is variable depending on spin volume
- Speed (rpm) is constant for all volumes but changes between the first and second spins

First Spin

Blood volume	Speed	Time
30 mL	3200 rpm	3 min
60 mL	3200 rpm	6 min
90 mL	3200 rpm	9 min

Second Spin

Blood volume	Speed	Time
15 mL	1500 rpm	5 min

Note: Ensure centrifuge brake is off

Check Brake Before Centrifugation!

Processing of ACP Max requires the centrifuge brake to be disengaged.

Horizon 24 Flex-AH



- Use the dedicated brake buttons to set brake level to “0”

Hettich Rotofix 32A (MD)



- Press and hold the “up” arrow and “Impuls” buttons while turning the centrifuge
- Navigate to menu item “7.” Please note that “0” indicates that the brake is disengaged.
- Press start