

ProGen™

Progressive PRP System

TWO SPIN 41ML DRAW QUICK START

- ✓ 13 Minutes Processing
- ✓ 7ml 5x PRP
- ✓ 20 ml 2x PRP

* If using Eppendorf please turn brake setting to “off” and set speed to 3,500 RPM.

BEST PRACTICES:

- **DO NOT USE WITHOUT ADAPTORS PROVIDED.**
- Before using supplied syringes collapse all syringes to break seal to improve ease of use
- Before spinning, wipe the cap valve area of the ProGen™ PC with alcohol wipe
- Always maintain vertical position of ProGen Centripid.
- Always place female cap on used syringes to prevent contents from being accidentally discharged
- Always dispose of syringes using standard biohazard practices. Do not dispose in Sharps container.

This is not the IFU. Please refer to the IFU provided with every kit.

INTENDED USE:

The ProGen™ PC Kit is indicated for the rapid preparation of autologous Platelet Rich Plasma (PRP) from a small sample of blood at the patient's point of care. The PRP is mixed with autograft/or allograft bone prior to the application to a bony defect for improving handling characteristics of the graft.

STEP 1

- Draw 9ml of ACD-A in the supplied 60ml syringe
- Draw 41ml of patient's blood using the same 60ml syringe
- Gently swirl syringe to mix blood and ACD-A
- Connect the syringe to the patient's ProGen Centripid
- Gently transfer the 50ml of blood and ACD-A into the patient's ProGen Centripid
- Place ProGen Centripid into centrifuge with adaptor

STEP 2

- Create a counter balance with a second ProGen Centripid by filling with 50ml of water
- Load counter balance into centrifuge with adaptor
- First spin @ 5 minutes 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see**)

STEP 3

- Remove ProGen Centripid from centrifuge and confirm cap is in the RBC position
- Determine the level of visible buffy coat. Use same 60ml syringe to aspirate all contents 3ml below buffy coat level. (ex: If your buffy coat is at 25ml level you will aspirate 22ml of RBC's)
- Cap and dispose of the syringe containing RBC's using standard biohazard practices

STEP 4

- Adjust counter balance volume to equal the patient's ProGen Centripid
- Spin @ 8 minutes 3,300 RPM and brake setting “2” on Drucker (*Eppendorf, see**)

STEP 5

- Remove ProGen Centripid from centrifuge and confirm cap is in the PPP position
- Using 30ml syringe aspirate 2x PRP until air bubbles appear in the center tube
- Cap and set aside for later use

STEP 6

- Ensure ProGen Centripid cap is in the RBC position
- Gently swirl remaining contents (PRP) in ProGen Centripid then aspirate into 20ml syringe
- Cap and set approximately 7ml of 5x PRP aside for use

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ONE SPIN 25ML DRAW QUICK START

- ✓ 25ml whole blood draw
- ✓ 5ml ACD-A
- ✓ 1 Spin 2.5 minutes
- ✓ 10ml 2x PRP

* If using Eppendorf please turn brake setting to “off” and set speed to 3,500 RPM.

BEST PRACTICES:

- **DO NOT USE WITHOUT ADAPTORS PROVIDED.**
- Before using supplied syringes collapse all syringes to break seal to improve ease of use
- Before spinning, wipe the cap valve area of the ProGen™ PC with alcohol wipe
- Always maintain vertical position of ProGen Centripid.
- Always place female cap on used syringes to prevent contents from being accidentally discharged
- Always dispose of syringes using standard biohazard practices. Do not dispose in Sharps container.

This is not the IFU. Please refer to the IFU provided with every kit.

INTENDED USE:

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STEP 1

- Draw 5ml of ACD-A in the supplied 60ml syringe
- Draw 25ml of patient's blood using the same 60ml syringe
- Gently swirl syringe to mix blood and ACD-A
- Connect the syringe to the patient's ProGen Centripid
- Gently fill the 30ml of blood and ACD-A into the patient's ProGen Centripid

STEP 2

- Create a counter balance using the second ProGen device and fill with 30ml of water
- Set ProGen Centripid cap to RBC position
- Spin 2 minutes 30 second 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see **)

STEP 3

- Remove ProGen Centripid from centrifuge and confirm cap is in the RBC position
- Using a 30 ml syringe aspirate RBC's until the bottom of the visible buffy coat reaches the 5ml level
- Cap and dispose of the syringe containing RBC's using standard biohazard practice

STEP 4

- Confirm cap is in the PPP position
- Aspirate 10ml 2x PRP into 20ml syringe
- The 10ml 2x PRP is ready for use

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LARGE DRAW 82ML QUICK START

- ✓ 82ml blood draw
- ✓ 2 Spins 13 minutes
- ✓ 40ml 2x PRP
- ✓ 14ml 5x PRP

* If using Eppendorf please turn brake setting to “off” and set speed to 3,500 RPM.

NOTE: You must have an additional sterile needle & 60ml syringe to perform this protocol

BEST PRACTICES:

- **DO NOT USE WITHOUT ADAPTORS PROVIDED.**
- Before using supplied syringes collapse all syringes to break seal to improve ease of use
- Before spinning, wipe the cap valve area of the ProGen™ PC with alcohol wipe
- Always maintain vertical position of ProGen Centripid.
- Always place female cap on used syringes to prevent contents from being accidentally discharged
- Always dispose of syringes using standard biohazard practices. Do not dispose in Sharps container.

This is not the IFU. Please refer to the IFU provided with every kit.

INTENDED USE:

The ProGen™ PC Kit is indicated for the rapid preparation of autologous Platelet Rich Plasma (PRP) from a small sample of blood at the patient's point of care. The PRP is mixed with autograft/or allograft bone prior to the application to a bony defect for improving handling characteristics of the graft.

STEP 1

- Draw 9ml of ACD-A in the supplied 60ml syringe
- Draw 41ml of patient's whole blood using the same 60ml syringe
- Gently swirl syringe to mix blood and ACD-A
- Connect the syringe to the patient's ProGen Centripid
- Gently fill the 50ml of blood and ACD-A into the patient's 1st ProGen Centripid
- Using **NEW** 60ml syringe and **NEW** needle, repeat this procedure to fill patient's 2nd ProGen Centripid

STEP 2

- Both ProGen Centrepids should be equally filled to counter balance each other
- Spin for 5 minutes 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see **)

STEP 3

- Remove ProGen Centrepids from centrifuge and confirm cap is in the RBC position
- Determine the level of the visible buffy coat. Using 60ml syringe, aspirate all contents 3ml below the buffy coat. (ex: If your buffy coat is at 25ml level you will aspirate 22ml of RBC's)
- Using the same 60ml syringe, repeat for second ProGen Centripid
- Cap and dispose of the syringes containing RBC's using standard biohazard practices

STEP 4

- Confirm both ProGen Centripid volumes are equal
- Place into centrifuge to counter balance each other
- Spin for 8 minutes 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see **)

STEP 5

- Remove ProGen Centrepids from centrifuge and confirm caps are in the PPP position
- Using 30ml syringe, aspirate 2x PRP until air bubbles appear in the center tube on both ProGen Centrepids
- Cap and set aside
- Using additional 30ml syringe, repeat the aspiration for the second ProGen Centripid

STEP 6

- Set ProGen Centripid cap to RBC position
- Gently swirl remaining contents (PRP) in ProGen Centrepids then aspirate into 20ml syringe
- The 14ml of 5x PRP is ready for use

ProGen[™]

Progressive PRP System

SUPER LOW RBC 41ML DRAW QUICK START

- ✓ 41ml whole blood draw
- ✓ 3 Spins 12.5 minutes
- ✓ 20ml 2x PRP
- ✓ 7ml 5x PRP
- ✓ < 1% RBC

* If using Eppendorf please turn brake setting to “off” and set speed to 3,500 RPM.

NOTE: You must have a third ProGen Centrepid device as a counter balance to perform this protocol.

BEST PRACTICES:

- **DO NOT USE WITHOUT ADAPTORS PROVIDED.**
- Before using supplied syringes collapse all syringes to break seal to improve ease of use
- Before spinning, wipe the cap valve area of the ProGen[™] PC with alcohol wipe
- Always maintain vertical position of ProGen Centrepid.
- Always place female cap on used syringes to prevent contents from being accidentally discharged
- Always dispose of syringes using standard biohazard practices. Do not dispose in Sharps container.

This is not the IFU. Please refer to the IFU provided with every kit.

INTENDED USE:

The ProGen[™] PC Kit is indicated for the rapid preparation of autologous Platelet Rich Plasma (PRP) from a small sample of blood at the patient's point of care. The PRP is mixed with autograft/or allograft bone prior to the application to a bony defect for improving handling characteristics of the graft.

STEP 1

- Draw 9ml of ACD-A in the supplied 60ml syringe
- Draw 41ml of patient's blood using same 60ml syringe
- Gently swirl syringe to mix blood and ACD-A
- Connect the syringe to the patient's ProGen Centrepid
- Gently transfer the 50ml of blood and ACD-A into the patient's ProGen Centrepid
- Position cap to RBC position
- Place ProGen Centrepid into the centrifuge

STEP 2

- Fill a second ProGen Centrepid device with 50ml of water to create a counter balance
- Load counter balance into centrifuge
- Spin for 4 minutes 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see **)

STEP 3

- Remove ProGen Centrepid from centrifuge and confirm cap is in the RBC position
- Using 60ml syringe, aspirate RBC's until the bottom of the visible buffy coat reaches the 6ml level
- Cap and dispose of the syringe containing RBC's using standard biohazard practices

STEP 4

- Aspirate the water level in the counter balance to equal the blood volume in the patient's ProGen Centrepid
- Spin for 30 seconds, 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see **)

STEP 5

- Remove ProGen Centrepid from centrifuge and confirm cap is in the PPP position
- Using 30ml syringe, aspirate PPP until air bubbles appear in the center tube
- Transfer the PPP collected into a new ProGen Centrepid device

STEP 6

- Aspirate water level in counter balance to equal the newly filled blood volume in the ProGen Centrepid
- Place ProGen Centrepid and counter balance into centrifuge
- Spin for 8 minutes, 3,300 RPM & brake setting “2” on Drucker (*Eppendorf, see **)

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SUPER LOW RBC 41ML DRAW QUICK START

STEP 7

- Remove ProGen Centrepid from centrifuge and confirm cap is in the PPP position
 - Using 30ml syringe, aspirate 2x PRP until air bubbles appear in the center tube
 - Cap 30ml syringe and place aside for use
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STEP 8

- Turn cap to RBC position on ProGen Centrepid and gently swirl PRP in ProGen Centrepid
- Aspirate PRP into 20ml syringe
- The 7ml of 5x PRP is ready for use