



Life Sciences

Instructions for Use

Reorder code: C-PET

Canine Platelet Enhancement Therapy (C-PET)

This product is used to create a platelet therapy from autologous canine blood.

C-PET application is as easy as 1, 2, 3



1. Prepare



2. Filter



3. Recover

Filter the blood through the C-PET system. Recover the platelets and deliver the therapy to the site of injury or disease.

C-PET - Instructions for Use

Equipment Provided

C-PET System comprising:

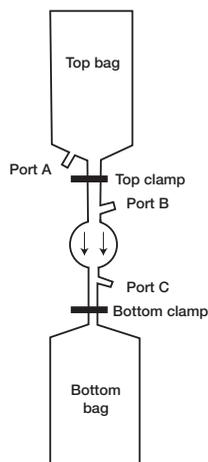
- 1 - C-PET set
- 1 - Anticoagulant solution (ACD-A)
- 1 - Capture solution (sterile water for injection)
- 1 - Harvest Solution
- 3 - 10 mL luer lock syringes
- 1 - 60 mL luer lock syringe
- 1 - Clean drape

Equipment Required

- 1 - Needle for aspiration of blood
- 3 - Needles for aspiration of anticoagulant, capture, and harvest solutions

Equipment for clipping and surgical preparation of aspiration site

Equipment for implantation/application



How to Recover Concentrated Platelets

Preparation

1. Place clean drape on a flat surface.
2. Remove C-PET set from box and lay it on the drape.
3. **NOTE:** Push the top and bottom clamps into the closed position.
4. Preload the 60 mL syringe with 5 mL anticoagulant solution.
5. Withdraw 9 mL of capture solution into one of the 10 mL syringes and then transfer the capture solution into the top bag via Port A.
6. Remove the syringe and replace the cap on Port A.
7. Hang the C-PET set so that the bag containing the capture solution is above the filter, the arrows on the filter point downward, and the bags hang freely. Check that both top and bottom clamps are closed.

Blood Collection

1. Collect 55 mL whole venous blood into the preloaded 60 mL syringe, giving a total volume of 60 mL.
2. Attach the syringe to Port A and transfer the anticoagulated whole blood to the top bag while gently mixing it with the capture solution by rocking the bag.
3. Remove the syringe and replace the cap on Port A.
4. Continue mixing the blood and capture solution by removing the C-PET set from its hanging position and inverting the bag set at least 10 times.
5. Good results require that the sample and capture solution are well mixed.

Filtration

1. Once the blood sample and capture solution are mixed well, re-hang the C-PET set in a vertical position with the top bag above the filter, the arrows on the filter pointing downward, and the bag hanging freely.
2. Open the bottom clamp and then the top clamp to allow the whole blood to flow through the filter into the lower bag. Filtration should take between 5 and 14 minutes.
3. Once the filtration is complete (when the unprinted side of the filter is free of fluid and flow has stopped) push the bottom and top clamps into the closed position.

Recovery of Platelets

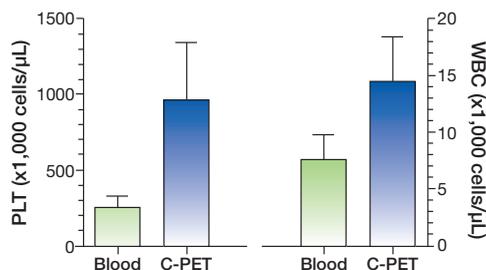
1. Withdraw 8 mL Harvest Solution into one of the 10 mL syringes.
2. Attach this syringe to Port C. The platelets will be collected in the remaining empty 10 mL syringe. This syringe should be handled in a sterile fashion if full sterility is required for the application/implantation procedure.
3. Remove any residual air from the remaining empty 10 mL syringe by depressing the plunger.
4. Attach this empty syringe to Port B.
5. Holding the filter with one hand, inject the Harvest Solution through the filter with constant pressure. This will take only a few seconds.
6. If the plunger does not depress easily, remove syringe(s) and then reattach.
7. The platelet concentrate will be back-flushed into the empty 10 mL syringe attached to Port B.
8. Remove the syringe containing the platelet concentrate from Port B.
9. The platelet concentrate is now ready for use and should be applied/implanted within 60 minutes of recovery.

NOTE: The C-PET set is for single use only.

Additional training and consultation available at Pall by calling, 516-801-9727 or emailing Jeffrey_Schaffer@pall.com

Always dispose of blood-contaminated products and 'sharps' in a manner consistent with established biohazard safety procedures.

Filter performance of C-PET (n=9)



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Manufactured for:

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