All syringes contain balanced Lithium/Zinc heparin

INSTRUCTIONS FOR USE
ARTERIAL ASPIRATING SYRINGE AND MULTI SAMPLER PRODUCTS WITH NEEDLE

This product is intended for use on the order of a physician as a single use disposable syringe to obtain arterial blood samples for in vitro diagnostic use only, for pH blood gas and selected whole blood electrolytes. Not for injection. Contents are sterile in unopened, undamaged package.

1. Prepare puncture site.
2. Hold syringe with needle pointing down and push plunger to bottom of barrel.
3. Remove protective sheath from needle by pulling it straight off, using caution not to damage needle tip.
4. Perform arterial puncture with bevel side up and holding syringe at approximately a 45° angle.
5. After the blood enters the syringe barrel, aspirate to the desired volume of blood.
6. Remove the needle and provide pressure to the puncture site.
7. Immediately activate the safety cover as follows:
   a. Using the same hand holding the syringe, center thumb or forefinger on the finger pad area of the safety cover.
   b. Push the cover forward toward the needle until you hear and/or feel it lock.
   c. Visually confirm that the needle tip is covered.
8. Remove needle and discard appropriately in a sharps bio-hazard container.
9. Hold the syringe upright and gently tap the syringe to move air bubbles to the top.
10. Expel air bubbles and firmly attach the luer tip cap to the syringe.
11. Thoroughly mix the blood with the dry heparin by shaking or rolling syringe.
12. Transport blood sample to the blood gas analyzer for analysis.

Manufactured for:
Resource Optimization & Innovation, LLC
St. Louis, MO 63141
855-845-9302

Patents 4,373,535; 4,448,206; 4,732,162;
4,897,083. Other patents pending.
Assembled in Mexico
79766, Rev. 1 2022/06

Rx ONLY · PHT DEHP · LATEX · Single Use

STERILE R Not for injection

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1. Remove luer tip cap and set aside for future use.
2. Attach syringe to arterial line and aspirate a blood sample to the desired volume.
3. After obtaining the desired sample, remove syringe from the site and hold the syringe with the luer tip up.
4. Hold the syringe upright and gently tap the syringe to move air bubbles to the top.
5. Expel air bubbles and firmly attach the luer tip cap to the syringe.
6. Thoroughly mix the blood with the dry heparin by shaking or rolling syringe.
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(If detached, securely attach needle to syringe.)

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INSTRUCTIONS FOR USE FOR VENTED SYRINGES

1. Prepare puncture site.
2. Push plunger to bottom of barrel, then set plunger to desired blood sample size.
3 Remove protective sheath from needle by pulling straight off, using caution not to damage needle tip. If using the Q-Cork needle protection system, insert the needle sheath into the hollow end of the Q-Cork stopper. Upon completion of collecting the blood sample, insert the needle (while attached to the syringe) into the sheath. Ensure the needle is properly seated into the sheath. Dispose of sheathed needle with Q-Cork into sharps container.
4. Perform arterial puncture bevel side up, holding syringe at approximately a 45° angle. Blood will flow into the syringe, venting air out through an internal filter. Note: After the blood has reached the filter, the plunger will pump back by arterial pressure.
5. After obtaining sample, withdraw needle and apply firm digital pressure to puncture site for five minutes or until bleeding has stopped.

6A. Insert needle into stopper. With the needle pointed downward, apply light pressure to the plunger. This expels any remaining air and seals the internal filter. If air is not expelled quickly, the filter will seal shortly after becoming wet with blood.

6B. If using a needle safety device, refer below.
   1. Pull back on the safety cover toward the syringe and away from the needle. Grasp the syringe with one hand and with the other hand remove the clear needle shield by pulling straight off.
   2. Note: if changing needles, activate safety cover prior to removing the needle from the syringe. For user convenience, the needle “bevel-up” position is oriented to the safety cover.
   3. After obtaining sample, immediately activate safety cover as follows: Using the same hand holding the syringe, center thumb or forefinger on the finger pad area of the safety cover. Push the cover forward toward the needle until you hear and/or feel it lock. Visually confirm that the needle tip is covered.

7. Remove needle and attach luer tip cap. Discard needle appropriately in sharps bio-hazard container.
8. Thoroughly mix the blood with the dry heparin by shaking or rolling syringe.
9. Transport blood sample to the blood gas analyzer for analysis.

Aspirating Method:
1. Prepare puncture site.
2. Hold syringe with needle pointing down and push plunger to bottom of barrel.
3. Remove protective sheath from needle by pulling straight off, using caution not to damage needle tip.
4. Perform arterial puncture bevel side up holding syringe at approximately a 45° angle.
5. After the blood enters the syringe barrel and wets the filter, aspirate the sample to the desired volume of blood.
6. Follow steps 5 through 9 above (Pre-set Method).

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INSTRUCTIONS FOR USE
CORD GAS KIT

This product is intended for use on the order of a physician as a single use disposable syringe to obtain arterial blood samples for in vitro diagnostic use only, for pH blood gas and selected whole blood electrolytes. Not for injection. Contents are sterile in unopened, undamaged package.

1. Prepare umbilical cord sample section as per hospital protocol.
2. Prepare syringe for sample aspiration by depressing the plunger to the bottom of the syringe and confirming needle is securely affixed to the syringe.
3. Affix arterial and venous identification labels to the syringes.
4. Remove protective sheath from needle by pulling straight off, using caution not to damage needle tip.
5. Hold the syringe at a 45º angle and perform puncture.
6. Aspirate two blood samples (one venous, one arterial) from the excised clamped cord segment.
7. After each sample is aspirated, engage needle protection device by:
   a. Using the same hand holding the syringe, center thumb or forefinger on the finger pad area of the safety cover.
   b. Push the cover forward toward the needle until you hear and/or feel it lock.
   c. Visually confirm that the needle tip is covered.
8. Remove needle and discard needle appropriately in a sharps bio-hazard container
9. Thoroughly mix the blood with the dry heparin by shaking or rolling syringe.
10. Transport blood sample to the blood gas analyzer for analysis.

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