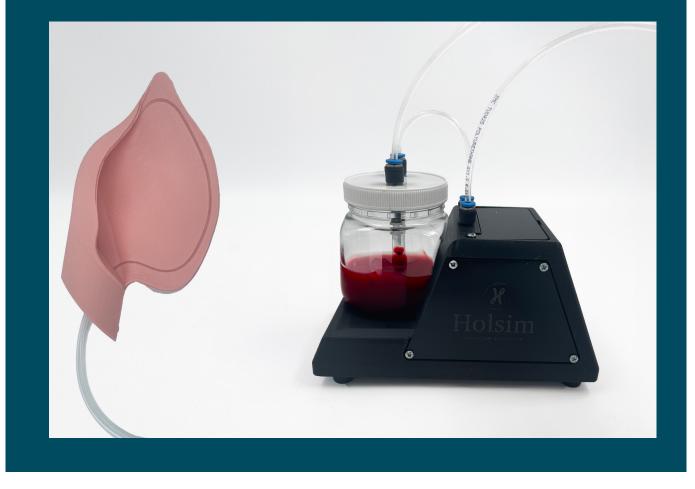
USER MANUAL



Set up and operation instructions of the Holsim Blood Sampling Ear Model.



Porcine Blood Sampling Ear Model – Desk Top

Revision A: Porcine Ear Blood Sampling - Desk Top

Product SKU: P400-K100 Last Updated: 25 September 2023



Part List

Equipment Required:

- Desk or Table
- Appropriate Needle for Injection We recommend using a 1", 20 gauge needle.
- Holsim Blood Pump
- Holsim Artificial Blood

All other operational equipment required is to be provided by the user.

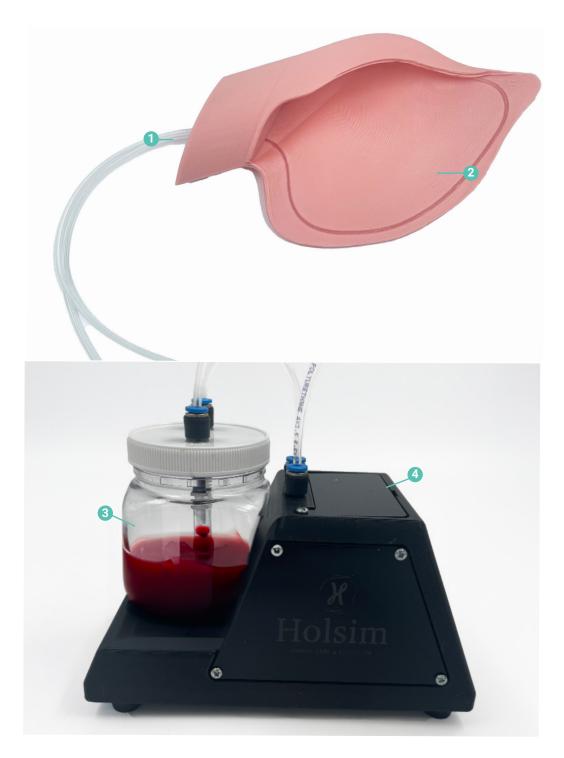
Blood Sampling Ear Set Up:

- 1. Blood pump connectors
- 2. Ear showing auricular vein
- 3. Holsim artifical blood
- 4. Holsim blood pump

For all parts or repairs, please contact holsim through our website www.holsim.co.nz



The Parts





The Ear



1 STEP ONE

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Connect to blood pump

Connect the Holsim Blood Pump tubing to Ear using barbed connectors. Note it does not matter which tube connects with which connectors.



The Set up





1 STEP ONE

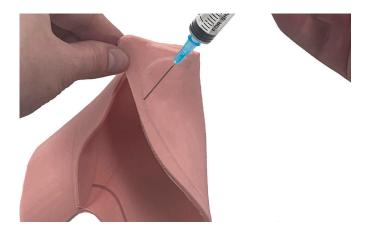
Set up the blood pump

- Unscrew the lid and pour the Holsim Artificial Blood into the Holsim Blood Pump jar with tubing.
- Replace lid and tighten

2 STEP TWO

Switch pump on

- Switch the blood pump on.
- The blood should slowly pulse through the tubing, into the auricular vein and back round into the jar.



3 STEP THREE

Insert needle at 25 degrees

- Stroke the outside of the ear to dilate the vessels in the ear and make the vein raise.
- Palpate the vein and fold the ear back on itself.
- Insert the needle on the back of the ear at 25 degrees to the skin.



The Clean Up





Undo jar lid

• Once the blood sample has been obtained, undo the jar lid with the pump connectors on it and hold the tubes above the blood in the jar.



2 STEP TWO

Drain tubing

• With the jar tubing out of the blood, the pump will pulse the remaining blood in the tubes into the jar without sucking any more blood up.



3 STEP THREE

Turn pump off

• Once all the blood has drained from the tubing switch the pump off.





4 STEP FOUR

Flush tubing with water

- It is best to flush the tubing out with water to have them clean before storing the pump.
- You can do this by replacing he jar of blood with one of water. turn the pump on to flush the tubing and vein.



5 STEP FIVE

Clean ear and store

- Wipe any blood from the ear surface and allow tubing to dry.
- Store ear and blood pump in a clean airtight containiner.



34D Somerset Street, **●** 07 839 5018 **Hamilton, New Zealand PH** info@holsim.co.nz