

# VitaSmart

**Disposable Set for Portal Vein and  
Hepatic Artery Perfusion of the Liver**

**KOP03L2**

**Instructions for Use**

**Bridge to Life (Europe) Ltd.**

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INSTRUCTIONS FOR USE  
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 KOP03L2**

The disposable set is composed of the following items:

|             | <b>KOP03L2</b> | <b>Kit for organ perfusion in liver transplantation (portal vein and hepatic artery)</b> |
|-------------|----------------|------------------------------------------------------------------------------------------|
| <b>Q.ty</b> | <b>Ref</b>     | <b>Description</b>                                                                       |
| 1           | M90356         | Single line for liver perfusion ( portal vein) - ETO STERILE                             |
| 1           | M90357         | Single line for livel perfusion ( hepatic artery) - ETO STERILE                          |
| 1           | M27403         | IFU liver perfusion (portal vein+hepatic artery)                                         |
| 2           | EU4391         | OXY TUBE WITH GAS FILTER - ETO STERILE                                                   |
| 1           | EU0924         | IFU OXY TUBE                                                                             |
| 1           | M90363         | RFID Tag accessory for liver perfusion (portal vein + hepatic artery) - NS               |

**Instructions**

- ✓ Extract the passive RFID tag, ref M90363 placed inside a pocket fixed to the inner side of the box lid. The tag contains information about the Disposable set reference, lot and expire date
- ✓ Insert the RFID tag into the reader on the front panel of the Vitasmart. Keep it on the reader for the whole duration of the procedure. If the RFID tag matches the selected procedure, the Vitasmart will accept it and goes to the next step. If not the machines stops until a new/proper tag is inserted.
- ✓ Extract the line for Liver perfusion ref M90356 from the box



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- ✓ Put the pump segment (2) on the rollers of the anterior pump of Vitasmart. Refers to the user manual of Vitasmart, too.
- ✓ Connect the line with the Blue Transducer Protector (3) to the Blue pressure connector on the front panel of Vitasmart
- ✓ Put the filter (5) on the specific holder
- ✓ Insert the chamber (8) into the black holder on the front panel of Vitasmart
- ✓ Insert the line exiting the chamber in the Vitasmart air bubble detector
- ✓ Connect the line with the Red Transducer Protector (7) to the Red pressure connector on the front panel of Vitasmart

**When using the Oxygenator**

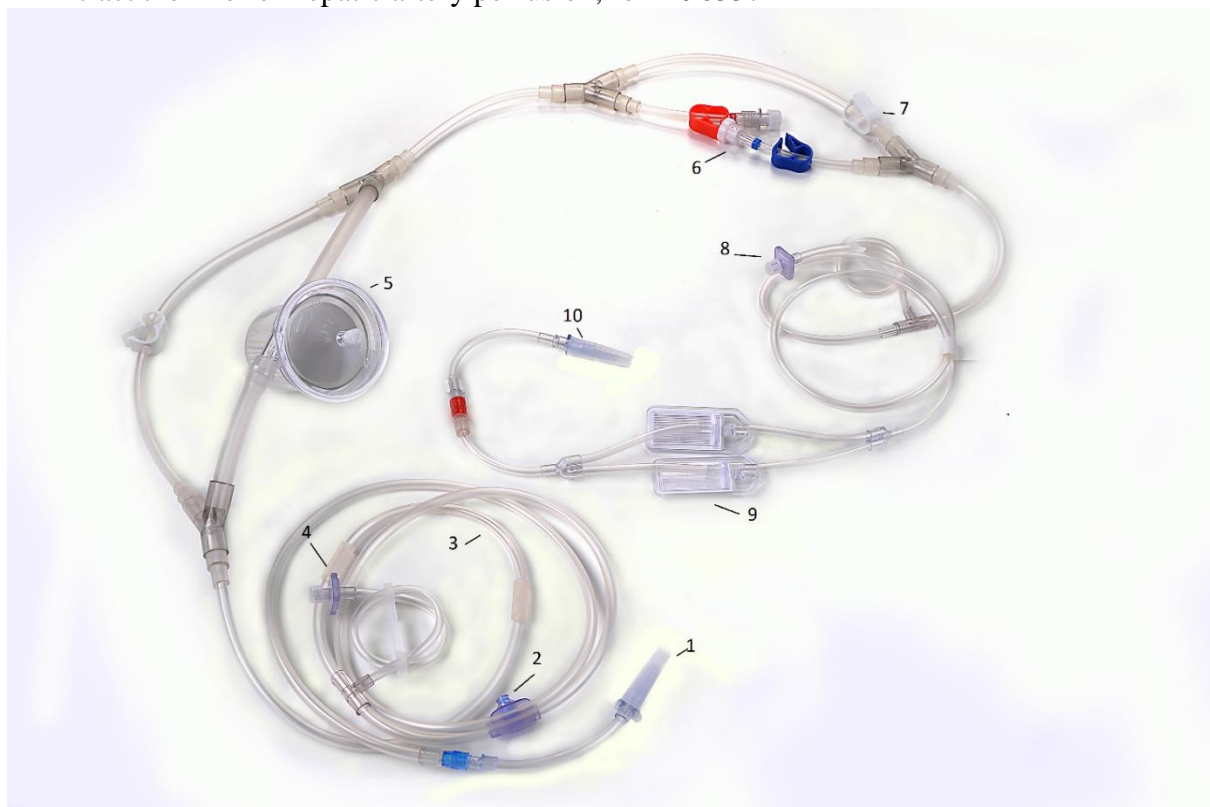
- ✓ Insert the Oxygenator ref EU5054 into the holder of the Vitasmart
- ✓ Connect the line segments (6) to the respective connectors of the Oxygenator connectors making attention that the colors match. Refer also to the Oxygenator EU5054 user manual.
- ✓ Connect the tubing ref EU4391 to the oxygen inlet of the Oxygenator. Plug the other end of the tubing to the oxygen blender of the oxygen outlet.
- ✓ Close the white clamp (11)

**When not using the Oxygenator**

- ✓ Close the clamps on the line segments (6)
- ✓ Open the white clamp (11)

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- ✓ Extract the line for hepatic artery perfusion, ref M90357



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- ✓ Mount the pump segment (3) on the rollers of the pump on the lateral side of Vitasmart.
- ✓ Refer to the Vitasmart user manual, too.
- ✓ Connect the line with the white Transducer Protector (4) to the white Pressure connector on the lateral panel of Vitasmart
- ✓ Insert the filter (5) on the proper holder.
- ✓ Connect the line with the Green Transducer Protector (8) to the Green Pressure connector on the lateral panel of Vitasmart
- ✓ In case you want to use a second Oxygenator connect it to the pieces of lines (6) matching the colors and close the white clamp (7)

**Then**

- ✓ Remove the caps and immerse the lines ends (1) in the bowl containing the solution.
- ✓ Remove the caps and put the lines ends (10) in the bowl.
- ✓ Begin the priming procedure on the Vitasmart (refer to its manual )  
ATTENTION: During the priming, the organ must NOT be connected to the lines.
- ✓ After 200 ml of solution have flown through the line, close the clamp on the inferior bypass segment of the filter (5).
- ✓ Fill the chamber (8) up to 2/3rd. To do so remove the cap on the top of the chamber. Replace the cap when the chamber is filled.
- ✓ Verify that solution flows through the line and comes out from the line end (10)
- ✓ When the circulated volume of solution reaches 600 ml, it is possible to stop the priming and starting the organ perfusion.
- ✓ Connect the line end (10) of the portal vein line to the cannula previously inserted on the portal vein .
- ✓ Connect the line end (10) of the hepatic artery line to the cannula previously inserted into the hepatic artery.
- ✓ During the perfusion it is possible to take samples of the solution through the needle-free valves (4,9)
- ✓ FOLLOW THE INSTRUCTIONS DESCRIBED IN THE VITASMART USER MANUAL.