

*Congratulations on your purchase of the SurgiReal Equine Vascular Access Simulator! This product has been designed by veterinary surgeon educators to provide you a powerful educational support tool. The designs of the product and the materials used in the product have been engineered to make the product simple to use and to extend its utility and useful life. However, routine maintenance and replacement of consumable components are required to keep your simulator operating effectively.*

## Getting started with your Equine Simulator 1.0

Your simulator was pre-assembled and it is ready to use as soon as you get it out of the box, prepare the artificial blood and connect the male adaptor located at the back of the neck. This connection can be used to prime, or to re-inject drawn artificial blood into the system. The other connection is located on the back of the neck and DOES NOT have a male adaptor attached to it. This connection is used to attach the bag with the artificial blood.

### Preparing the artificial blood:

Your simulator is provided with an IV Bag and an initial supply of artificial blood powder. It is recommended that you prepare the artificial blood as follows:

1. Fill a 1-liter mixing container with water, add the complete contents of artificial blood powder pack and mix thoroughly (Fig 2 & 3).



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2. Pour the mixed artificial blood solution into the IV Bag and connect to Simulator (Fig. 3).



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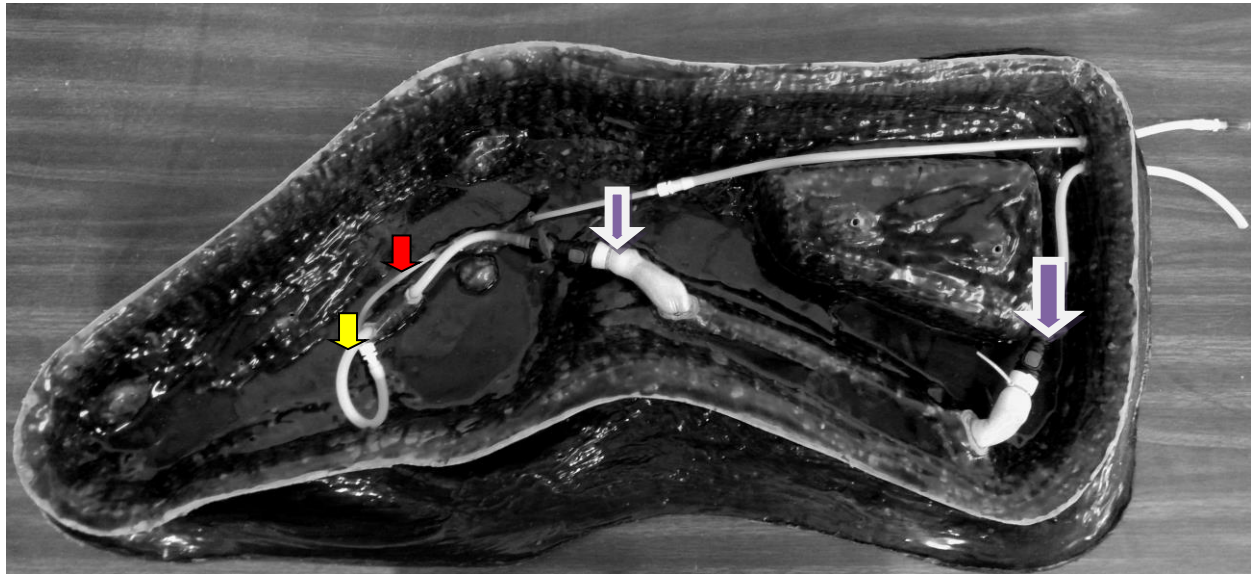
The instructions below will help you when it's time to change the artificial vein and/or skin.

### Exchanging the vein:

- 1- Gently turn the head upside down to expose the hollow part of the Equine Vascular Simulator base. **The artificial "jugular" vein and all the other latex tubing will be exposed this way.**

2- Disconnect the two ends of the vein (white and purple arrows), remove it and replace it the same way. The replacement vein comes with brand new connectors. The Female portion may or may not need to be replaced, this is your choice.

3- The remaining tubing parts “**facial vein**” (Yellow arrow) and “**transverse facial artery**” (red arrow) can also be replaced as needed and are part of the replacement bundle that you can find available for purchase as [www.SurgiReal.com](http://www.SurgiReal.com).



General maintenance tips:

1. When not in use, clean the artificial vein and remove any fluid (SurgiReal artificial blood) to avoid occluding the lumen. Inject with clean water followed by air with a syringe.
2. Store the Equine Vascular Access Simulator in its horizontal resting position. It is recommended that you keep the original product packaging and that you store the product in it.
3. Maintain the simulator in a dry, clean environment.

How to order replacement consumables (skin, vein, connections, blood powder and IV bags):

Maintenance parts for your Equine Vascular Access Simulator can be ordered online at:

[www.surgireal.com](http://www.surgireal.com).

Thank you for purchasing SurgiReal products. If you have any questions or concerns, please contact us through e-mail at [info@surgireal.com](mailto:info@surgireal.com) or give us a call at 970-818-7060.