



Procedure for the disinfection of Tafonius

Scope:

This document outlines the procedure to access, clean and disinfect the parts of Tafonius necessary in the event of any suspected infections such as Strangles. It is recommended that the procedure is read fully prior to commencing the disinfection process.

This procedure can also be used in the routine cleaning and maintenance of Tafonius – in this case the soda lime, sampling line and water trap do not need to be discarded.

Procedure:

Tafonius needs to be running initially to begin the disinfection procedure. The piston needs to have been initialised prior to step 1.

1. Move the piston to the top of its travel. This can be achieved by either moving the piston by blowing into the pressure sampling line, or, with the system closed filling with oxygen or air via use of the flow meters.
2. With the piston at the top, open the cylinder and remove the soda lime tray. The cylinder should be left open and held with the cinch strap.
3. Turn Tafonius off.

The various parts of Tafonius which need to be disinfected can now be removed.

4. Disassemble the valve block by first undoing the thumbscrews. The clear cover, valve discs thumbscrews and O-rings should all be soaked in a disinfectant solution. **NOTE: Solvents should not be used on the O-Rings as this can cause them to swell and cease to fit properly. They should only ever be cleaned with the disinfectant solution (or water) and allowed to air dry.**
5. A garden sprayer or similar should be filled with disinfectant solution and this should be sprayed up and inside the cylinder. Care should be taken to ensure the piston and the cylinder walls are fully sprayed.
6. Remove the drainage bungs from the absorber pan. These should be soaked in disinfectant solution.



7. The soda lime tray also requires washing with disinfectant solution. Any soda lime contained **MUST** be discarded and replaced with new soda lime after the disinfection procedure. **NOTE: Care should be taken not to damage the rubber seals or O-ring on the soda lime tray when washing.**
8. Disinfectant solution should now be flushed from the open valve block, down the short 2" tubes and out of the drainage pan ports.
9. The Y piece, stopper and 2" patient tubes should be soaked in disinfectant solution. This should also be performed for the foal circuit.
10. It is not possible to reliably clean the water trap or CO2 sampling lines so these should be discarded and replaced with new. There is an antibacterial filter in the water trap which protects the Solomon monitor from infection.
11. Once any parts soaked have reached the cleaning time as specified by that particular disinfectant manufacturer, they should be rinsed thoroughly with clean water and re-assembly can take place. **NOTE: Care should be taken to ensure the CO2 and pressure sampling ports on the Y piece are not filled with water before reconnection to the sampling lines as moisture drawn up into the lines may cause machine problems or affect machine performance.**
12. The soda lime tray can also now be returned with its fresh soda lime. **Note: Ensure Tafonius is switched on and the vacuum established BEFORE the cylinder is closed.**

The disinfection procedure is now complete and the Tafonius is ready for use.

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