

Robotic ARMCheck Instructions for Use

PROCEDURE:

RAC™: The test kit for detection of residual blood and or other oxidizing agents inside the channel of a robotic arm. Read instructions once before testing. Also gather all the appropriate supplies before testing.

Note: A positive result is proof of remaining residual blood and or other oxidizing agents in the tested area only.

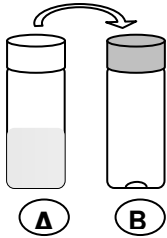


Figure 1

A: Indicator-vial (transparent cap), B: activator-vial (green cap)

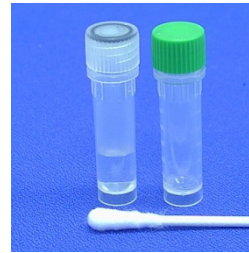


Figure 1

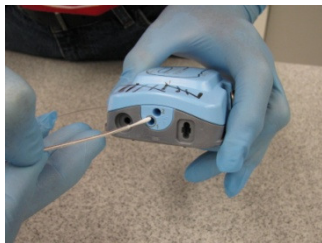


Figure 2

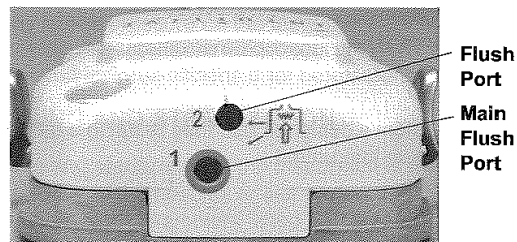


Figure 3



Figure 4

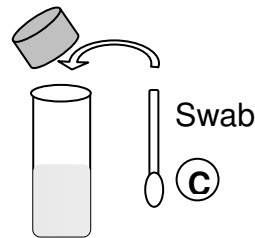


Figure 4



Figure 5

If the test has been refrigerated allow it to come to room temperature before using. Also use the correct PPE when testing (gloves...)

1. Open the test kit. Included are: holder, sterile water, indicator vial (transparent cap), activator vial (green cap), and special swab.
2. Testing of a robotic arm channel is done after cleaning and before the sterilization/disinfection process.
3. Open the indicator vial (transparent cap) and transfer the liquid into the activator vial (green cap) – Figure 1. Place vial in holder.
4. Moisten the cotton swab with a drop of clean water. Do not use chlorinated water.

5. **Slowly insert the swab end into the channel you want to test** do not force. (if resistance to the swab, stop and pull back and get the smaller diameter swab) **If testing a DaVinci® robotic arm channel push the swab into main flush port marked 1 all the way in until it stops at the tip of the channel. Do this one (1) time and pull out slowly making sure the swab does not touch any surface before it is place in the correct vial for testing. – Figure 2 and 3.**
6. **Once you have pulled the swab out of the channel cut the swab end off with scissors into the green capped (activator vial). (Note: you can place the swab tip into green vial before cutting off). Do not touch the swab. Recap the vial with the green cap. – Figure 4.**
7. **Shake the activator (green top) vial at least five times.**
8. **Check the swab over a period of 30 seconds for a color change to any blue-green, which can indicate residual blood and or other oxidizing agents in the tested area only.**
9. **In the presence of large amounts of residual blood and or other oxidizing agents the entire indicator solution will become dark blue - Figure 5.**
10. **Record the result immediately—late color changes are not valid. The yellow color change after activation is a normal reaction and does not indicate residue. Any blue or green is a positive result – Figure 5.**
11. **If you obtain a positive result (blue-green) report that result immediately and clean the robotic arm again according to policy. After cleaning retest the robotic arm until you get a negative result. Sterilizing a robotic arm that is dirty can compromise the sterilization process.**

Please Note the following

PRINCIPLE

Due to the high content of Peroxidases in blood an enzymatic reaction is used for detection of blood residues.

MEASURING RANGE

The test kit can detect 0,1 µg of blood by showing a slight blue-green spot. 1 µg of blood in the test will already give a dark blue colour.

INTERFERENCES

Oxidising agent like chlorine or hypochlorite (present in some disinfecting agents and detergents) will give a colour change too. In this case the test cannot be used to detect blood residues

STORAGE

Store Robotic ARM Check™ in closed pouches in a cool place (2°C- 25°C). Keep away from light and heat

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