

Testing the function of Tafonius ECG leads

If a problem is suspected with the ECG cable then there are a couple of tests that can be performed to determine if there is a problem and if so, where that problem is located.

Test 1 – All Leads Connected

Have the ECG trace displayed on the main PC screen of the Tafonius software running at 25mm/s and Sensitivity 2.5mv.

- Using the crocodile clips, connect all the leads together so they are all in electrical contact.
- Hold the bundle of crocodile clips in one hand
- Look at the ECG trace



- Is the trace a nice clean flat line as seen in the top trace in the picture?

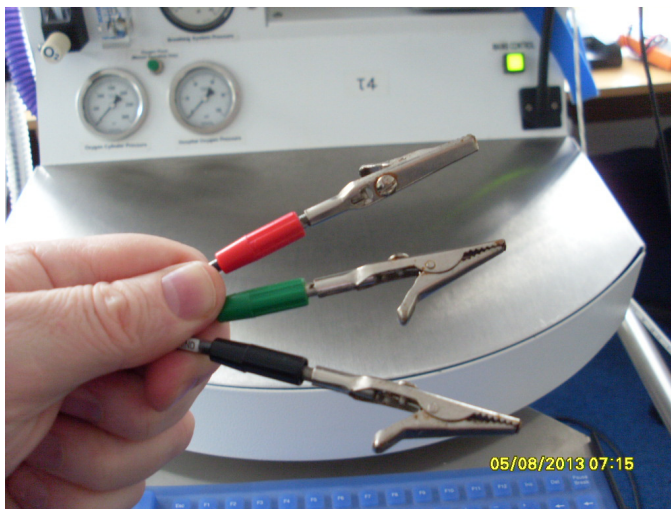
Yes -> then the Right Fore and Left Hind cables are OK
No -> then there is a fault with either the Right Fore or Left Hind cables and the ECG cable should be sent to Vetronic Services for repair



Test 2 – Determine which Lead is broken

If there is a broken ECG lead then the first test will result in a lot of noise on the screen.

Now hold the ECG cables in one hand so none of the clips are touching and so that the clips fan out. The ECG trace should be almost a flat line.



Touch the Red crocodile clip.

If you see a lot of extra noise on the trace (see photo below) then the Red cable is **OK**. No extra noise and the cable has a fault.

Repeat this for the Green and Black cables. There should be extra noise when the Green crocodile clip is touched and **NO** extra noise when the Black crocodile clip is touched.



The screen seen here shows a lot of noise on the ECG trace. This is what should be seen when either the Red or Green crocodile clip is touched.

In Test 2:

You should see the screen above with the Red and Green leads.

There should be no effect on the flat line when touching the Black lead.