



Ryan Swaine <viamed.ryan.swaine@gmail.com>

RE: H-Lines Compatibility

1 message

Lyes Djennadi <Lyes.Djennadi@sedanamedical.com>

7 December 2018 at 15:03

To: "ryan.swaine@viamed.co.uk" <ryan.swaine@viamed.co.uk>

Hi Ryan,

Apologies for the delay with this. I've attached the initial report that I wrote for the 24hr test that failed after about 9hrs. In the conclusion you can see it was decided to repeat the test at less "extreme" conditions i.e. continuous vaporisation of water is not at all common practice. I wanted to test at more extreme conditions to the standard operating conditions but I went a bit over the top with it apparently. When I was away on holiday, the lads in the lab ran the test again with a few changes. Our head sales rep in Germany (who is a clinical nurse and has a huge amount of knowledge and experience in ICU's) suggested we instead vaporise about 8 times a day for 15 minutes. There were no issues with this test at all according to my colleagues. During the 24hr test I ran, I noticed the concentration of anaesthetic being displayed on the gas monitor was very different for the current setup compared to the H-Line. I very, very briefly investigated this yesterday and it appears that with a recalibration at every line change, the difference was negligible. However, there are still a few tests and retests I'd like to conduct:

- Investigate Fet% difference, comparing Intersurgical sampling line vs Viamed H-Line
- Repeat 24hr test at different ventilator parameters (tidal volume, respiratory rate, etc.)
- Conduct a similar test but beyond 24hrs (72hrs to 1 week if possible)

It was decided that based off the brief results we have to date, we're going to take the next step and progress to further compatibility testing. This consists of compatibility testing by the gas monitor company and also a field test by our sales rep in Germany. I'll also try to repeat my own tests in our R&D lab in the meantime (I trust my colleagues testing but I'd still be more confident seeing it for myself). Hence, we're looking to get some more samples from you, same as before (without the yellow strip) but a larger quantity and of course we are willing to pay for them. We were hoping to get about 75 H-Lines if possible? I understand this is a lot but we need to do significant testing before we can fully get behind it. As I've said, we can pay for these samples as I understand it's not just a handful this time.

Overall, things are looking positive. We had that moment of worry when the gas monitor failed during our 24hr test but I think any sampling line would have failed in the same way given the extreme conditions. It appears the line absorbs practically no moisture into the water trap but that under extreme vaporizing can potentially become blocked causing failure in the gas monitor. My apologies for not being able to provide more data but it's difficult in our lab to set up 24hr+ testing as the test lung is generally occupied by my colleagues with more urgent important projects.

Let me know about the samples and how soon we can get them. We're eager to get this testing completed ASAP. I can submit a PO if you quote me for them.

Kind regards,

Lyes

From: Main Account <viamedinbox@gmail.com> **On Behalf Of** Ryan Swaine

Sent: 06 December 2018 14:58

To: Lyes Djennadi <Lyes.Djennadi@sedanamedical.com>

Subject: Re: H-Lines Compatibility

Hi Lyes