Advice Request on Decontamination of Medical Devices

complete and return to
ggc.infectioncontroldecontamination@ggc.scot.nhs.uk

Date	Requesting Person	Contact Details
May 2017	West and HSCP IPCT	0141 211 3405
Name of device	Methameasure http://www.methameasure.co.uk/	
Use (including type of patient and procedure	Safe, accurate dispensing of methadone in HMP Low Moss.	
Reason for new device	Not a new devise, used in HMP Low Moss. Also used within Community Pharmacy	
Manufacturer		**Re-usable / Single Use?**
Query	http://www.methameasure.co.uk/ Decontamination of the tubing. Is the process appropriate? Can you leave water inside tubing overnight and re use? Is potable water appropriate should it be sterile water Is there a risk of water droplets in the tubing allowing for the growth of gram-negative bile tolerant bacteria Does the tubing need to be sterilised between uses Should tubing be air dried It was noted at time of visit that one end of the tubing was in a cup filled with clear liquid while the	

	other end hung from the meter with no cap or closure. There was no indication of what the fluid was resting in was it water? or Milton Standard operating procedure states Since 2002, all MethaMeasure systems have been designed to require overnight storage with potable water filling the tube.(Info attached) • Remove the bottle of methadone from system • Remove methodone from the tubing using 'prime pump' (on the machine) into a cup which is returned to methadone stock bottle • Insert container of potable tap water into the pump and ensure tubing is correctly positioned • Place cup under nozzle and prime pump until only water is in the tube and leave until system is to be used again • Ensure that tips of tubing are cleaned thoroughly with wipe • On a weekly basis in place of water use a diluted solution of Milton (3ml to 500ml cold water) this is left overnight • There must be an accurate note of maintenance kept • Tubing is changed 6 monthly
Details of manufacturers recommended decontamination	From the information obtained : The MethaMeasure system has been designed to allow tube sterilisation by high temperature (autoclave) or chemical sterilisation (sodium hypochlorite). MethaMeasure machines are peristaltic in action and use platinum cured bio-silicone/verderprene designed to prevent bacterial adhesion to the inside of the tube. When methadone is removed from the MethaMeasure machine, there is a risk of the formation of a biofilm at the air/methadone barriers in the tube. This risk can be ameliorated by filling the tubes with fresh, potable water—when the system is not in use and cleaning the nozzles with soapy water at end of the day. Potable water can be replaced with Baby Bottle Sterilising fluid (0.6%) * weekly and leave the sterilising fluid in the system overnight. NB: This will cause harmless discolouration of the tubing over time, so weekly is sufficient. Remember to clean the pump with water before putting methadone back in! Replacement of tubing- A good guide is to replace the tube every 30,000 doses. This is about 100 Patients a day for 12 months.

	*0.6% of Milton is made most easily by adding 15ml of Milton to an empty 2.5l Methadone bottle, and filling with water to the edge of the neck. (15ml Milton/2.5L water). This lasts for 24h after preparation. Advised that after removing the methadone and returning to stock, dilute Milton should be run through the pump until it runs clear is the best practice. Minimum contact time in the tube should be 30 minutes,
Recommendation of Decontamination Group	It was agreed to continue with the current process that follows manufacturer's guidelines. Tubing should not be hung up to dry. Results from testing to look at evidence as to whether Milton solution fortnightly is acceptable should be shared with Infection Prevention & Control Team.
Date	24/08/2017