Allan McNevin

From: Allan McNevin
Sent: Friday, 21 June 2019 2:47 PM
To: Allan McNevin; Allison Lloyd; Cathie Allen; Justin Howes; Kirsten Scott; Kylie Rika; Luke Ryan; Paula Brisotto; Sharon Johnstone
Subject: Change in process - please vote
Attachments: Tergazyme SDS.PDF; #148 - report signed.pdf; Proposal #153 - Report - signed copy.pdf

Tracking:

Recipient	Response
Allan McNevin	
Allison Lloyd	
Cathie Allen	
Justin Howes	
Kirsten Scott	
Kylie Rika	
Luke Ryan	
Paula Brisotto	Approve: 21/06/2019 2:49 PM
Sharon Johnstone	

Hello all,

For some time Tergazyme has been used as a cleaning agent in the preparation of bone & teeth samples for DNA extraction, namely to clean the parts of the bone crusher that come into contact with the exhibit, and all of the manual handling tools such as chisels and the like.

Recently it has been brought to my attention that there issues with storing of Tergazyme in the Bone Room (refer attached SDS), and that it should not be disposed of down the sink etc. There have been two relevant validations performed previously (refer attachments), namely:

- Proposal#148 - Cleaning bone processing equipment

Which found that the dishwasher special cycle was an equally good alternative for washing the bone crusher bits

- Proposal#153 - Verification of Trigene Advance

Which found that Trigene Advance and Decon (both currently in use elsewhere in DNA) were as effective as bleach as cleaning agents

The outcomes from Proposal#148 were not immediately implemented at the time, as the cleaning using the dishwasher and Tergazyme were equivalent and we had quite a bit of Tergazyme in stock, so it was decided to keep it BAU until supplies were exhausted.

Note that, in all other laboratory areas in DNA Analysis, bleach or trigene followed by 70% ethanol is the cleaning method employed for all surfaces and equipment excepting some plastic storage racks and glassware that is cleaned using Decon.

Therefore I am proposing that we eliminate the use of Tergazyme from the laboratory and implement the following:

- Implement the cleaning of the bone crushing equipment using the dishwasher as per Proposal #148
- Use bleach and / or Trigene followed by 70% ethanol (as appropriate) to clean the remaining equipment in line with other Evidence Recovery and Analytical laboratory equipment protocols

Please vote Approve / Reject as you feel is appropriate before Cob next Fri (28/06). If you reject, can you please detail your reasoning for further consideration

Thank-you for your cooperation
Cheers
Al

Allan McNevin
Senior Scientist – Evidence Recovery

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