



Toxicology

Case Study - Round 266

Results Submission Deadline – 20 December 2021

Case History

A 35 year old asthmatic woman is brought to your A&E suffering with a tachycardia of 150 bpm and appearing to have seizures. Laboratory results gave Na 140 mmol/L, K 2.4 mmol/L, urea 7.0 mmol/L, creatinine 105 mmol/L and glucose 12.1 mmol/L. Friends say that she was concerned about the potential loss of her job.

Analyse the urine and serum sample collected on admission to investigate the possible role of drugs in the case. Report the advice that you would offer to the clinicians responsible for treatment.

N.B. Samples are based on commercial serum and a urine donation from a volunteer. Samples are preserved by addition of 1% sodium fluoride.

***** Methanol may be present as a result of spiking solutions. THERE IS NO METHANOL INVOLVEMENT IN THIS CASE *****

Results submission

All results should be submitted via PORTAL (<https://www.lgcpt.com/portal>). A PORTAL registration form is included within the sample package; please follow the instructions to create a new account or to add the scheme to your existing account.

The serum and urine samples utilise a screening profile that you will need to configure prior to results submission in the first round. To configure your screening profile, log into PORTAL and click 'Submit Results', then 'Enter Results'. Click '+/- Analytes' to add the analytes that you are routinely screening for, this may be basic screens to start with followed by anything that has been confirmed as detected. Now select the sample followed by all the analytes that you would like to return a result for. Once your screening profile has been configured it will be stored and used in subsequent rounds.

When entering your results online, click on the sample name, to see all analytes displayed on a single page. This page can be printed and used as a manual result entry sheet prior to online submission. Any methods or units entered will be stored and used in subsequent rounds.

Only the method, unit and result are required fields; however, we encourage you to report as much result information as possible. Where the result has a qualitative and quantitative result field, the quantitative result is optional.

When submitting Case Study advice, we recommend copying your advice from a word document then pasting it into the comments section relevant to each question.

For further details on the technical specification of the scheme, please refer to the Toxicology Scheme Description.