

Our Ref: 212/2023
MAY 2023

Re: Your request made under the Freedom of Information Act 2000

1. Does your Trust process Intraosseous blood samples? YES – but no Intraosseous sample processed for a number of years as this type of sample is only taken as a last resort.
2. If yes to Q1, what analyser system do you have?

Sysmex

Occasionally an intra-osseous sample may be collected on a patient where there are difficulties with venous access. For these samples they are booked in as a sample type of 'bone marrow'. This is a specific test set that only contains the parameters, Hb and HCT, it is only appropriate to measure these on an IO sample.

NOTE: If the sample contains obvious particulate matter they should **NOT** be analysed.

Abbott

These are only analysed as a last resort in chemistry if there is no venous access, however they have to be appended with the following comment :

Please note that this was an intraosseous blood sample. Reference ranges provided are for venous blood and may not be applicable. In particular sodium, potassium, bicarbonate, calcium and glucose results should be interpreted with caution as correlation between intraosseous and venous blood levels may be poor.