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| North Tees and Hartlepool NHS Foundation Trust | Specialist Portfolio – Discipline Specific Knowledge Section 7.1 |
| Directorate of Clinical Pathology | Working Copy- version 1 |
| Biochemistry | Printed: |

**7.1 Laboratory Quality**

1. List 3 quality management systems in place in Biochemistry and describe why they are necessary.
2. How long are the following types of patient data stored

* Paper request forms
* Digital patient records
* A sample requested for UE, LFT, CRP
* A save serum sample (e.g. for CA-199)

1. How would the following pre analytical factors affect a sample requested for potassium analysis?

* Sample >12 hours old
* Haemolysis >4
* Icterus >5
* Sample taken in fluoride oxalate tube
* Sample taken after EDTA sample
* Sample exposed to high temperatures

1. Describe the procedure for rejecting an A&E sample taken from the wrong patient. What reporting procedures must be followed?
2. What rules does remisol have in place to prevent unusual or critical results from auto-authorisation? Why is this important?
3. List the IQC materials used on the AU5800, DxI and DxC700 and how often they are ran.
4. Does the lab participate in any inter-laboratory comparison schemes? Why are they important and what would be the outcome of poor results?
5. Attach a copy of an EQA scheme you have performed.