Factors and Their Possible Consequences:

- Samples from wards such as maternity, emergency and intensive care are commonly collected from a catheter. As discussed in the catheter, IV collection section this can be a possible source of haemolysis.
- The medical condition of patients from emergency and intensive care can be a cause of in vivo haemolysis.

Corrective Actions

- Use special tubes manufactured as partial draws
- Increase catheter size
- Collect discard tube
- Avoid turbulence in the blood flow during collection.
- Linear catheter path
- The usage of some devices in addition to the catheter, may cause less haemolysis (eg. Extension tubing)
- Do not mix manufacturers’ components without appropriate validation
- Ensure all connections fit together securely

You can also look at the following sections:

- In vivo haemolysis due to patient factors (add link to this section)

References: