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**MLS 304 assignment**

**Question**: Describe how you can maintain the automatic analysers in ABUAD multi system hospital and keep them in good condition.

**Answer:**

Automatic analysers has to go through a daily preparation activity in order to function properly and they are

* Reagent inventory management
* Required analyser maintenance
* Calibration and Quality control

In order to maintain an automatic analyser the following step has to be followed:

* In automatic analysers the analyser has to be on maintenance mode
* Expired reagent and finished reagents should be removed and replaced
* The hands on maintenance should be carried out on the equipment
* Sensitive parts in the equipment should be cleaned with alcohol or should preferably be done following the manufacturer’s instructions
* Quality control should be carried out on the analyser
* Calibration should also be carried out on the analyser
* A maintenance plan should be put in place and it should include preventive maintenance procedures, inventory management, troubleshooting and repair of equipment
* The staffs should be trained concerning the analysers in the laboratory
* The flow chamber of the analyser should be washed through automation daily
* The proper use of the analyser should be ensured.