

CHOICE OF EQUIPMENT



„We have invested thousands of dollars to acquire professional instrumentation - now its dusting because no one can run it”

„We haven't tested for E.coli for a year now because the vacuum hand pump is broken”

„The gas which is locally available does not have the needed purity to run that instrument, the results don't make any sense”

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THE RIGHT CHOICE OF INSTRUMENTATION & CONSUMABLES

Suitable vs. not suitable, what very often hinders the development of water quality testing capacities in a developing country is the wrong choice of instrumentation and consumables. To avoid serious breaks in work, it is important to think very well about what exactly you want to acquire:

- Select instrumentation that is robust and not prone to breakdown.
- Ensure that the type of instrumentation and consumables chosen are appropriate for the given circumstances (road conditions, power cuts, water cuts, dust, humidity etc.).
- Implement only instrumentation of which consumable goods such as gases, reagents and chemicals are available locally, especially when they require a lot.
- Avoid laboratory consumables that can only be acquired on the international market as their acquisition is a complex, costly and a long-term process.
- Ensure that the instrumentation that is being acquired is in line with a clear scope of analytical capacity that suits the laboratory staff in terms of their capacity - Start simple.

CONSULTING

We consult organizations in making the right choice of instrumentation and consumables to securely build up the capacity of water quality testing activities in a developing country. With regard to the situation in many developing countries, it is only with the right equipment that water testing activities will have a chance to be sustainable.

„We cannot afford a technician from that enterprise to come here and repair our Ion chromatograph”

„We haven't tested for 6 months because the central laboratory hasn't sent us new petri dishes”
