



Food Safety Laboratory Capacity Building

Module 3 Quiz

1. What are the advantages of LFDs compared to other analytical methods? Explain with your own words.
2. Your colleague does not understand what the hook effect is and what could be the issues caused by this effect. Explain with your own words.
3. Your colleague uses a competitive LFD format. He is very happy because no coloration is appearing at the test line. Explain to him why he is misinterpreting this result.
4. You test a supposedly very contaminated sample. Yet you get a negative result with your LFD. What could explain this result and what can you do?
5. Choose whether it is worth using an LFD (Limit of detection / quantification: 10 ppm) in the following situations. Justify:
 - a. Test a runoff water sample, result expected in two days, no legal limit.
 - b. Test a sample of wheat, expected result as quickly as possible, no legal limit.
 - c. Test a water sample, result expected in two days, legal limit of 20 ppm.
 - d. Test a water sample, expected result as quickly as possible, legal limit of 2 ppm.
 - e. Test a wheat sample, expected result in two days, legal limit of 2 ppm.