



## Food Safety Laboratory Capacity Building

### *Module 9 Quiz*

1. The closeness of agreement between independent test/measurement results obtained under stipulated conditions is known as:
  - a. Specificity
  - b. Precision
  - c. Accuracy
  - d. Selectivity
  - e. I don't know
2. The ability of a method to respond exclusively to the substance for which the method is being used is known as:
  - a. Sensitivity
  - b. Specificity
  - c. Limit of detection
  - d. Scope
  - e. I don't know
3. A z score greater than 1 indicates:
  - a. Unsatisfactory result that requires corrective action
  - b. Satisfactory results
  - c. Satisfactory result if it is lower than 2
  - d. Unsatisfactory result that doesn't require corrective action
  - e. I don't know
4. An official method has typically been validated in:
  - a. At least one laboratory specializing in the field
  - b. At least 4 laboratories, no matter where they are located
  - c. A number of laboratories using instruments from the same vendor
  - d. A number of laboratories using instruments from different vendors
  - e. A number of laboratories greater than 12
  - f. I don't know

5. A representative matrix included in a method means that: (select all that apply)

- a. The method works for this matrix
- b. The method works for all matrices in the same group
- c. The method should work for all matrices in the same group
- d. The method doesn't need to be validated to be used with other matrices
- e. I don't know

6. When an LC/MS/MS method has undergone multi-laboratory validation, it can be used in one's laboratory: (select all that apply)

- a. Without a need to validate
- b. Without standards to match retention time (a library match is sufficient)
- c. With a verification
- d. With a similar instrument from a different vendor
- e. By certified analysts

7. This score combines an estimate of the error of a result with a standard deviation

- a. Repeatability score
- b. Reproducibility score
- c. Z score
- d. S score
- e. I don't know

8. ISO 17025:2017 is a requirement for all laboratories.

- a. True
- b. False
- c. I don't know

9. All laboratories performing analyses for international trade must use the same method at the regulatory agency in the importing country.

- a. True
- b. False
- c. I don't know

10. An importing country government can obtain confidence in the reliability of the results produced in a laboratory that reports results through: (select all that apply)

- a. An inspection
- b. An ISO accreditation to standard 17025
- c. A proficiency testing round that they administer to these laboratories
- d. The laboratory's registration status in its country
- e. None of the above