Radiochemistry Assessment

Analytical Tracks 1: Food Defense

Attribute	Value	Points Earned

1. ISO 17025 accredited methods under scope:
   a. Gamma in foods
   b. Alpha/Beta food detection
	10 points each	

2. Animal diagnostics laboratory with food and feed analytical capability	15 points	

3. Regulatory Laboratory for:
   a. Human food
   b. Animal food
	a. 10 points
	b. 10 points	

4. Ability to analyze human and animal food for:
   a. Gamma
   b. Alpha/Beta Screening
   c. Alpha Quantification
   d. Beta Quantification
	a. 5 points
	b. 5 points
	c. 10 points
	d. 15 points	

5. Number of analysts with 3 or more years of experience with Gamma analysis of foods
   a. 1 analyst
   b. 2 analysts
   c. 3 or more analysts
	a. 5 points
	b. 10 points
	c. 15 points	

6. Number of analysts with 3 or more years of experience with Alpha/Beta method
   a. 1 analyst
   b. 2 analysts
   c. 3 or more analysts
	a. 5 points
	b. 10 points
	c. 15 points	

7. Number of analysts with 3 or more years of experience with Alpha quantification methods
   a. 1 analyst
   b. 2 analysts
   c. 3 or more analysts
	a. 5 points
	b. 10 points
	c. 15 points	

8. Number of analysts with 3 or more years of experience with Beta quantification methods		

a. 1 analyst b. 2 analysts c. 3 or more analysts	a. 5 points b. 10 points c. 15 points	

9. Number of analysts with 3 or more years of experience with ICP/MS
    a. 1 analyst
    b. 2 analysts
    c. 3 or more analysts
	a. 5 points
	b. 10 points
	c. 15 points	

10. Number of analysts with 3 or more years of experience with Radioanalytical Separation chemistry
    a. 1 analyst
    b. 2 analysts
    c. 3 or more analysts
	a. 5 points
	b. 10 points
	c. 15 points	

11. Number of FERN proficiency test events completed
    a. 1 PT
    b. 2 – 4 PTs
    c. More than 5 PTs
	a. 5 points
	b. 10 points
	c. 15 points	

12. Equipment available for use to support this project
    a. Gamma detection
    b. Liquid scintillation Counter
    c. Gas Proportional Counter
    d. Alpha Spectrometers
    e. ICP/MS
	5 points each	

	Total Possible Points: 210	