

## Microbiology Assessment

### Analytical Track 1: Food Defense

Attribute	Value	Points Earned
1. BSL3 Laboratory	20 points	
2. LRN Laboratory and in compliance with Select Agent Regulations	15 points	
3. Valid Select Agent Permits	10 points	
4. Ability to screen foods for: <ul style="list-style-type: none"> <li>a. Francisella tularensis</li> <li>b. Brucella sp.</li> <li>c. Burkholderia sp.</li> <li>d. Ricin</li> <li>e. Clostridium botulinum toxin</li> <li>f. Staphylococcal enterotoxin</li> <li>g. Mycobacterium bovis</li> <li>h. Coxiella burnetti</li> </ul>	1 point each	
5. Ability to conduct confirmatory testing for: <ul style="list-style-type: none"> <li>a. Bacillus anthracis</li> <li>b. Yersinia pestis</li> <li>c. Francisella tularensis</li> <li>d. Brucella sp.</li> <li>e. Burkholderia sp.</li> <li>f. Ricin</li> <li>g. Clostridium botulinum toxin</li> <li>h. Staphylococcal enterotoxin</li> <li>i. Mycobacterium bovis</li> <li>j. Coxiella burnetti</li> </ul>	5 points each	
6. Ability to conduct the BSL3 High Risk Unknown Screening Procedure for food	20 points	
7. Ability to conduct mouse bioassays for agents of concern	10 point	
8. Ability to perform: <ul style="list-style-type: none"> <li>a. Less than 10 analyses per month</li> </ul>	a. 10 points	

<ul style="list-style-type: none"> <li>b. 10 – 50 analyses per month</li> <li>c. 51 – 100 analyses per month</li> <li>d. 101 – 500 analyses per month</li> <li>e. Greater than 500 analyses per month</li> </ul>	<ul style="list-style-type: none"> <li>b. 25 points</li> <li>c. 50 points</li> <li>d. 100 points</li> <li>e. 200 points</li> </ul>	
<p>9. ISO 17025 accredited methods besides Salmonella, Listeria, and E. coli O157:H7 that are related to FDA regulated human food and environmental products</p>	<p>5 points each, with maximum of 80 points</p>	
<p>10. Past participation in matrix extension, method development, and/or method validation exercise</p>	<p>10 points per project, with maximum of 50 points</p>	
<p>Total Available Points: 463</p>		