

Microbiology Self-Assessment

Analytical Track 4: Whole Genome Sequencing

| Attribute | Value | Points Earned |
|---|---|---------------|
| 1. Next-generation sequencer on-site | 20 points | |
| 2. Propose to sequence: a. 100 isolates b. 250 isolates c. 400 isolates | a. 25 points b. 50 points c. 100 points | |
| 3. Agree to: a. Serve as a mentor to other WGS labs b. Provide training to other WGS labs | a. 10 points b. 20 points | |
| 4. Ability to sequence isolates for: a. E. coli O157:H7 and other STEC producing E. coli b. Campylobacter jejuni c. Campylobacter coli d. Shigella sp. e. Clostridium botulinum toxin f. Clostridium perfringens g. Clostridium difficile h. Staphylococcus aureus i. Vibrio parahaemolyticus j. Vibrio vulnificus k. Vibrio cholerae l. Enterobacter sakazkii m. Bacillus anthracis | 5 points each | |
| 5. In the past 5 years, the laboratory has sequenced: a. Less than 500 isolates b. 501 – 1000 isolates c. 1001 – 2000 isolates d. Greater than 2000 isolates | a. 50 points b. 100 points c. 200 points d. 300 points | |
| 6. Past participation in matrix extension, method development, and/or method validation exercises | 10 points per project, with maximum of 50 points | |
| | Total Available Points: 565 | |

