NEB Summary Table – XXXX College Fall 2019

Name and number of course in which bean beetle microbiome will be implemented

24 Students in two sections = 48 Students

6 or 12 weeks of laboratory experiments

3 PCR reactions per student = 144 reactions total

2 gels per student = 96 gels

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NEB Product | Number of Experiments | Volume per experiment | Total Volume | Volume per vial | Quantity needed |
| OneTaq Hot Start Quick-Load 2X Master Mix with Standard Buffer | 144 reactions | 1x concentration | 144 reactions | 100 reactions | 2 |
| Quick-Load Purple 100 bp DNA Ladder | 96 gels | 10uL per gel | 960uL | 1250uL | 1 |

Thank-you for considering this request.