**Specification for Biological safety cabinet: Class II, Type B2**

**Essential requirements:**

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| **Sl No:** | **Technical specification**  | **Detail description** |
| 1. | Class/ Type of cabinet | Class II, Type B2 100% Safety for personnel and environment from biological hazards. |
| 2. | Width of the cabinet | 123.2cms/48inches/4 feet |
| 3. | Depth of the interior | 65.8 cms. |
| 4. | Volume of exhaust | 1130 m3/hour. |
| 5. | Height interior | 653 to 742 cms. |
| 6. | Filter Efficiency | 99.99% at 0.3um. |
| 7. | Filter Type | HEPA |
| 8. | Noise level | 65 dBA |
| 9. | Outlets | 2 single, CN/AV |
| 10. | Ports | Two on each side |
| 11. | Lighting | UV Lighting |
| 12. | Work surface area | 0.55 m2 |
| 13. | Certificate/Compliance | NSF/ANSI-49/ETL and CE certification. |
| 14. | Exhaust Motor | Dual motor design for 100% exhaust |
| 15. | Display and Digital Control | Essential with air flow verification alarm |
| 16. | Warranty period/Manuals | Minimum Three years warranty. Operator and Service manual. |

**Optional requirements:**

1. Optional rear wall tap
2. Foot rest and adjustable side stand hanging shelf.
3. Manual adjustable stand
4. Ergolign saddle stool.