|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Nebulizer | Gas Source | Viral Filter | RespirableFraction (%) | Dose Delivered 1 min | DoseDelivered5 min |
| Hudson MicroMist | Ombra | No | 68.8 | 2.510.140.7162.9651.7**868.0** | 1.25.020.079.9319.4**425.5** |
|  |  | Yes |  | 2.911.445.7182.8731.3**974.0** | 2.18.433.8135.2540.9**720.5** |
| AeroEclipse II BAN | Ombra | No | 76.0 | 1.87.429.5118.0471.8**628.5** | 2.710.943.8175.1700.7**933.3** |
|  |  | Yes |  | 2.49.638.4153.5614.1**818.0** | 2.39.337.0148.1592.6**789.3** |

**Supplemental Table 1:** Comparing methacholine dose delivery with 1 versus 5 minutes of tidal breathing between Ombra-powered nebulizers with and without viral filter placement on the nebulizer exhalation limb (using VT 500 mL, *f* of 15 per minute, sinusoidal pattern).