Table 1

| | Ver. A (DONE) | Ver. B Housed | Ver. B Potted | 16x Multtisampler | | | | |
|---|---|---|---|---|---|---|---|---|
| **BOM** | | | | | | | | |
| | | | | | | | | |
| **Pump** | 27 | 25 | 25 | 400 | | | | |
| **Adapter (3/8-1/2)** | 16 | 5 | 5 | 80 | | | | |
| **Flow Meter** | 100 | 25 | 25 | 400 | | | | |
| **Adapter (3/8-tri)** | 6 | 5 | 5 | 80 | | | | |
| **Clamp** | 8 | 6 | 6 | 96 | | | | |
| **Clamp** | 8 | 6 | 6 | 96 | | | | |
| **Adapter (3/8-tri)** | 32 | 5 | 5 | 80 | | | | |
| **Valve** | 11 | 10 | 10 | 160 | | | | |
| **Chassis** | 30 | 30 | 30 | 500 | | | | |
| **MCIL8** | 84 | 75 | 0 | 0 | | | | |
| **Buffer Bladder** | 0 | 0 | 0 | 100 | | | | |
| **Buffer Valve** | 0 | 0 | 0 | 320 | | | | |
| | | | | | | | | |
| **Subtotal** | 322 | 192 | 117 | 2312 | | | | |
| | | | | | | | | |
| **Electronics** | 75 | 60 | 80 | 120 | | | | |
| **SD** | 15 | 15 | 15 | 15 | | | | |
| **P Sensor (1000m)** | 249 | 70 | 70 | 200 | | | | |
| **T Sensor** | 56 | 25 | 25 | 25 | | | | |
| **MCBH8** | 113 | 113 | 0 | 150 | | | | |
| **Batteries** | 20 | 20 | 20 | 0 | | | | |
| **Housing** | 300 | 100 | 30 | 0 | | | | |
| **Cables** | 0 | 0 | 0 | 150 | | | | |
| | | | | | | | | |
| **Subtotal** | 828 | 403 | 240 | 660 | | | | |
| | | | | | | | | |
| **Total / Unit** | 1150 | 595 | 357 | 2972 | | | | |
| **NB: Connectors:** | 197 | 188 | | | | | | |
| **NB: w/o conns:** | 953 | 407 | | | | | | |
| | | | | | | | | |
| **@ Quantity** | 6 | 200 | 200 | 12 | | | | |
| | 6900 | 119000 | 71400 | 35664 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| **People** | | | | | | | | |
| | | | | | | | | |
| **MechE** | 2p @ 1m @ 50% | 2p @ 2m @ 50% | 2p @ 2m @ 50% | 2p @ 4m @ 50% | | | | |
| **Months FTE** | 1 | 2 | 2 | 4 | | | | |
| **EE** | 2p @ 1m @ 50% | 1p @ 2m @ 25% | 1p @ 2m @ 50% | 1p @ 3m @ 50% | | | | |
| **Months FTE** | 1 | 0.5 | 1 | 1.5 | | | | |
| **Software** | 2p @ 1m @ 50% | 1p @ 2m @ 25% | 1p @ 2m @ 25% | 1p @ 2m @ 50% | | | | |
| **Months FTE** | 1 | 0.5 | 0.5 | 1 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| **@150k/FTE** | 37500 | 37500 | 43750 | 81250 | | | | |
| | | | | | | | | |
| **Project Cost** | 44400 | 156500 | 115150 | 116914 | | | | |

Note: Development costs (people) of each of the three new projects strictly subsume the previous. That's not true of BOM / @Quantity costs. Also this estimate does not include costs of deployment (filters / preservatives / ship time / etc) which are O(1).