|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Gas** | **Region** | **Cost per cylinder (in USD)** | **Cost of cylinder equivalent (in USD)** | **Time**  **to delivery** | **Number required for 1 Malaria season collection a** | **Cost for 1 Malaria season collection a** |
| 94% N2, 5% CO2, 1%O2 | United States | $60.00 | $60.00 | NA |  |  |
| 94% N2, 5% CO2, 1%O2 | France | $4,800.00 | $4,800.00 | 12 months | 2 | $9,600.00 |
| 94% N2, 5% CO2, 1%O2 | The Gambia | $1,000.00 | $1,000.00 | 6-10 months | 2 | $2,000.00 |
| 94% N2, 5% CO2, 1%O2b | Mali | $718.00 | $718.00 | 6-10 months c | 2 | $1,436.00 |
| 100% N2 gas, medical grade, 14m3 | Senegal | $109.00 | $287.00 | 2 -7 days | 2 | $396.00 |
| 100% CO2 gas, medical grade, 28kg | Senegal | $100.00 | 2 -7 days | 1 |
| 100% O2 gas, medical grade, 10m3 | Senegal | $78.00 | 2 -7 days | 1 |

**Table S1.** Costs and logistical comparisons affecting feasibility of obtaining gas

supplies from different sources

|  |
| --- |
| a - approximately 300 *ex vivo* samples, including invasion assays, drug resistance assays, culture adaptation |
| b - 5% O2 compared to 1% O2 from other sources |
| c - gas delivery now unavailable due to political unrest in the region |