

SUPPLEMENTARY MATERIAL

An accessible glove box project for procedures that require inert conditions

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GLOVE BOX PHOTOS



Figure 1S. Glove box made by a local joiner with MDF of 15 mm and drainage pipes and gas valves installed



Figure 2S. Inlet, outlet and safety gas valves



Figure 3S. Glove box without and with sealant rubber acrylic window

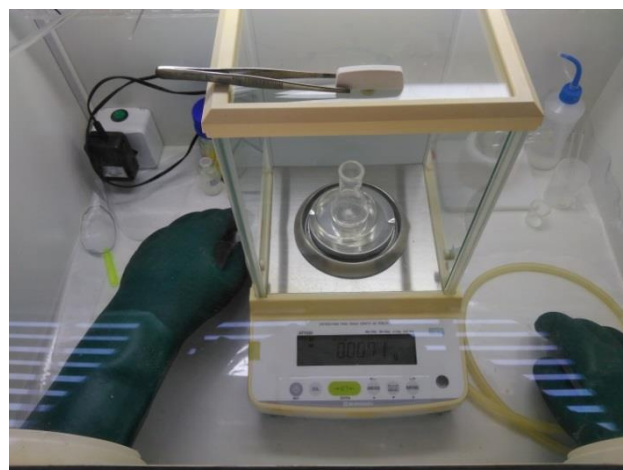
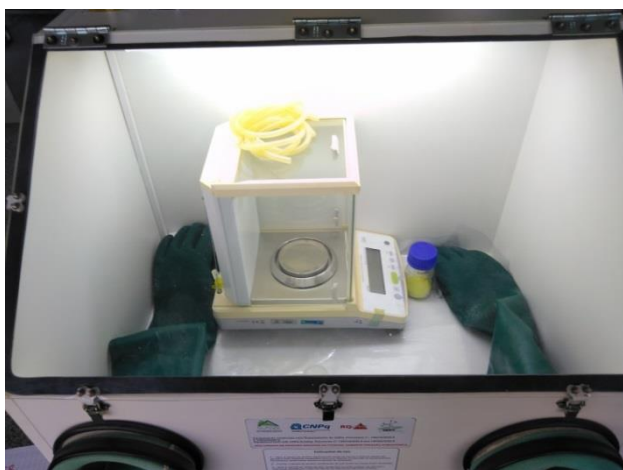


Figure 4S. Glove box with an analytical balance at nitrogen atmosphere



Figure 5S. *Gloves of thinner material to improve sensitive. They were attached to the green PVC glove using two rings made from water pipe of 100 mm of diameter and steel worm clamp protected by a piece of hose*

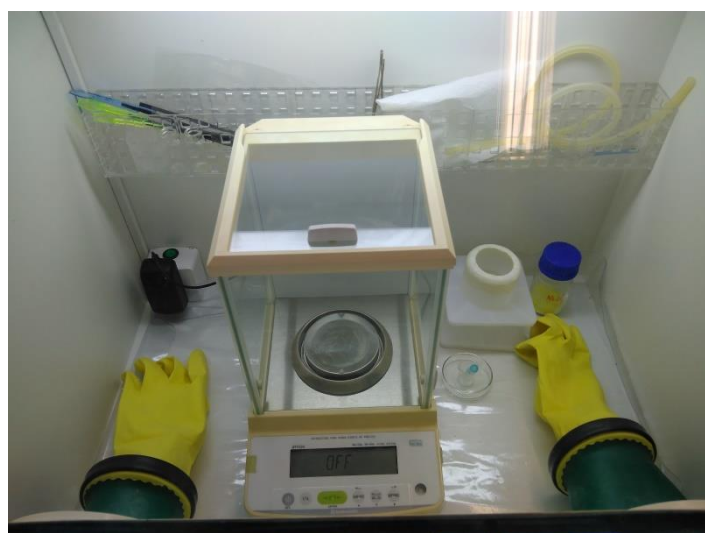


Figure 6S. *New gloves of thin material mounted on the glove box*

GLOVE BOX COSTS

Table 1S. Detailed glove box costs

| Description | Value R\$ | Value US\$* |
|---|-----------|-------------|
| Male power plug + 2 mt wire + Female power plug | 18.00 | 3.54 |
| Ball valves + hose plugs | 80.00 | 15.72 |
| Quick-lock latches | 36.00 | 7.07 |
| Quick-lock latches + screws | 37.40 | 7.35 |
| Hinges + screws | 16.80 | 3.30 |
| Wooden box | 280.00 | 55.01 |
| Acrylic lid | 230.00 | 45.19 |
| Internal lamp | 35.00 | 6.88 |
| PVC gloves | 50.24 | 9.87 |
| Drainage pipes with double sliding muff | 49.40 | 9.71 |
| Silicone sealant | 35.00 | 6.88 |
| Worm clamps | 16.00 | 3.14 |
| Rubbers + glues | 33.00 | 6.48 |
| Total | 916.84 | 180.13 |

*US\$ 1.00 \approx R\$ 5.09 on 23rd August, 2022.