

Xpedite Diagnostics

Rapid. Smart. Anywhere.

September 2023 – Customized Suitcase Lab



The wheeled suitcase is the Peli Case Air 1615.

It complies with international air transport regulations: all airlines will accept the suitcase as dispatched luggage.

It is air-tight, dust-tight and waterproof, with a pressure equalization valve to ensure that your instruments and reagents are perfectly protected.

The mobile laboratory is fully customizable to your needs!



When opening, you see the lid, with a black magnetic surface, to which all plastic parts are attached through magnets embedded in the bottom.

Included are:

- Glove box holder
- Holder for disinfection wipes
- 2 holders that can be closed (for pens etc)
- 1 magnetic rack for 12 samples
- 1 magnetic rack for 4 samples
- 2 racks for tubes and reagent bottles
- 1 single and 1 double pipette holder
- 2 timers

On the lower part, you see:

- 1 plastic bag for the protective foam
- 1 magnetic, stainless-steel work-table
- 1 solar panel (30W peak)



The solar panel can be clipped to the back of the lid.



Below the work-table and solar panel, you will find:

- Left side: storage space for consumables and waste container and the rechargeable battery
- Middle: instrument storage section with hard-foam for safe transport
- Right side: storage section for a detection instrument, e.g. an Axxin Reader, and a styrofoam box for storage of samples and reagents



Underneath the bottom plate of the right storage section, you get access to further storage space for electric cables, etc.

When operating the Axxin reader, its battery might be placed there, with cables connecting to the power source through the hole, for example.



In the center part, the foam is custom-designed to fit the pipettes on a top layer.

Three pipettes can easily be placed here. Depending on the height of the equipment underneath, a 4th pipette can be included.



The foam is custom-designed to fit the instruments. It can be delivered either uncut or pre-cut.

The devices included in the suitcase shown comprise of a centrifuge, a vortexer and a heat-block with heated lid.

All equipment can be operated with the rechargeable battery, using USB and DC connectors.

This can, of course, be modified to fit different devices. The size of the storage can be adapted to securely fit other equipment as well.



The battery has a capacity of 89Wh, which is within the range accepted by airlines.

Note that the lithium battery must be removed before checking in the suitcase lab. It needs to go with your carry-on luggage.

The same applies to the small lamp (which is also powerbank), and additional batteries that may be used for detection instruments.

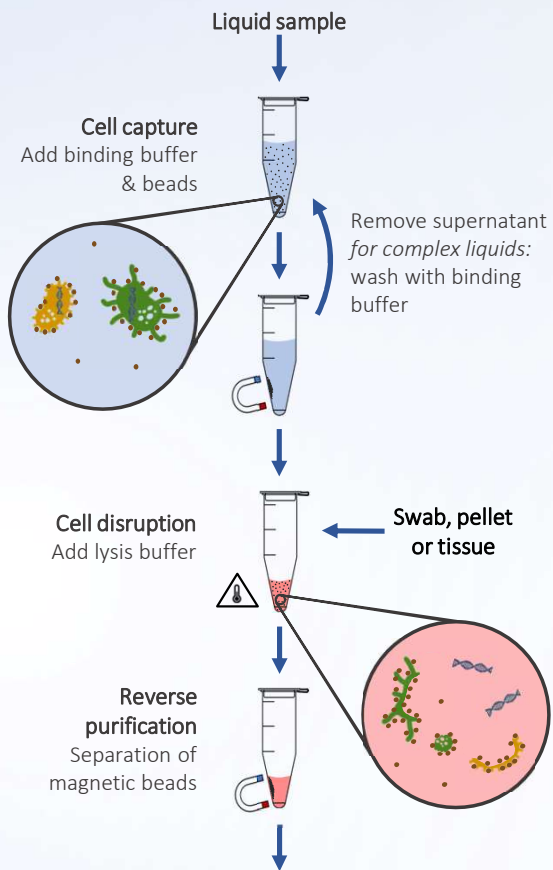


- ① Peli Air 1615 case, compliant with international air transport regulations
- ② Dividers for space and storage management
- ③ Movable stainless steel work-table
- ④ Magnetic case lid for customizable arrangement of pipettes, timers, gloves and disinfection wipes
- ⑤ Waste box with ziplock waste bags included
- ⑥ LED light (also a powerbank) for work-table
- ⑦ Styrofoam thermobox for storage
- ⑧ Magnetic rack holders (for 4 and 12 microtubes)
- ⑨ Lithium battery (89Wh)
- ⑩ Solar panel for battery charging during operation



Overview of the Suitcase Laboratory

Most of the suitcase labs are delivered together with SwiftX™ DNA kits, enabling fast and simple DNA/RNA extraction from various sample types.



Use supernatant in your PCR, qPCR, LAMP, RPA, RAA or transfer to new tube for storage.



Nucleic acid extraction: Rapid. Smart. Anywhere.



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