

2.004 NANORACKS MODULE-27 SWAB OPS

(EO20-2150)

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OBJECTIVE:

To collect ISS surface samples for NanoRacks Module-27 experiment.

PARTS:

NanoRacks Swab Kit (15)

1. Setup Node-2 Camcorder to capture NanoRacks surface swab Ops throughout the US LAB.

As required, refer to [2.103 XF305Camcorder NOMENCLATURE](#), all (US SODF: ISS PTV: 2. Canon XF305)

NOTE

An additional large Ziplock Bag is provided (stowed inside the same bag as the NanoRacks Swab Kits) to use per crew preference to separate the used NanoRacks Swab Kits from the clean (unused) NanoRacks Swab Kits for crew efficiency during sampling.

2. Retrieve a clean NanoRacks Swab Kit.
Move to ISS location listed on NanoRacks Swab Kit label.
3. Remove cotton swab from NanoRacks Swab Kit, being careful not to touch the cotton swab tip to avoid contamination.
4. Rub cotton swab vigorously against designated surface. Spin and turn the swab to ensure maximum sample collection.

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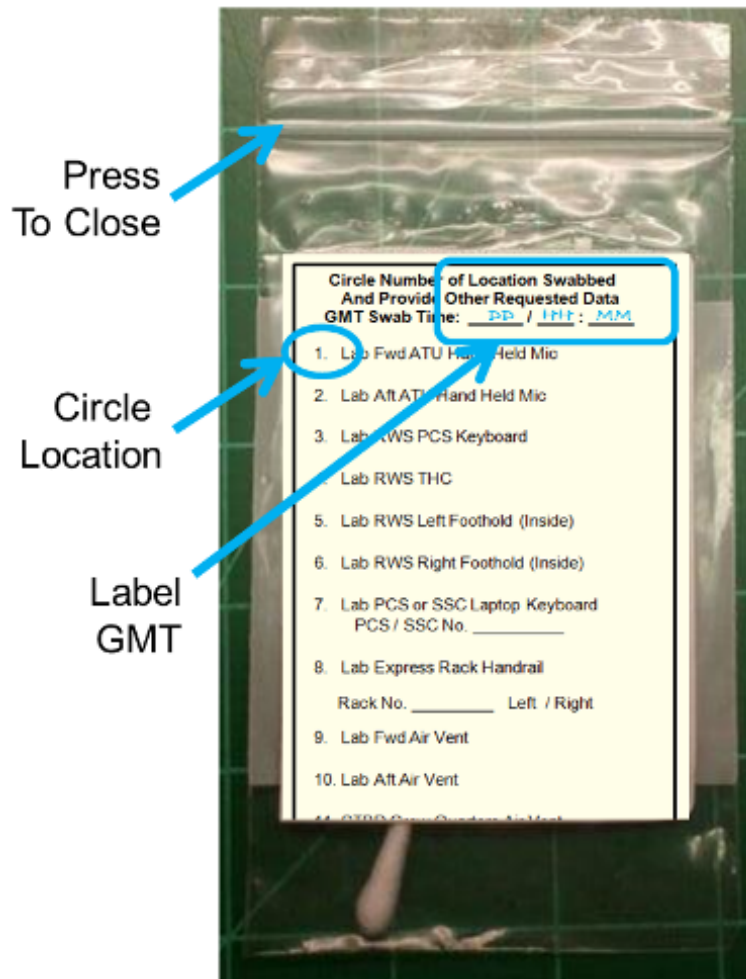


Figure 1. NanoRacks Swab Kit Label

5. Return cotton swab to NanoRacks Swab Kit and press to close (squeeze excess air out of bag before sealing, Figure 1).

Circle number of location swabbed and label with GMT (dd/hh:mm, Figure 1).

If swab is contaminated by touching a surface other than the designated location on the label,

Label NanoRacks Swab Kit with a large, "X" and move on to the next location.

Notify **POIC** of NanoRacks Swab Kit S/N that was contaminated

6. Repeat step 2 to step 6 for all 15 locations listed on the NanoRacks Swab Kit label (or reference table below).

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1.	Lab Fwd ATU Hand Held Mic
2.	Lab Aft ATU Hand Held Mic
3.	Lab RWS PCS Keyboard
4.	Lab RWS THC
5.	Lab RWS Left Foothold (inside)
6.	Lab RWS Right Foothold (Inside)
7.	Lab PCS or SSC Laptop Keyboard (provide PCS or SSC number)
8.	Lab Express Rack Handrail (provide EXPRESS Rack number and left or right handrail)
9.	Lab Fwd Air Vent
10.	Lab Aft Air Vent
11.	STBD Crew Quarters Air Vent
12.	STBD Crew Quarters Interior Nomex
13.	Port Crew Quarters Air Vent
14.	Port Crew Quarters Interior Nomex
15.	Crew Choice Surface (provide location information)

7. Return all NanoRacks Swab Kits and the Ziplock Bag and press to close (squeeze excess air out of bag before sealing).

GROUND updates IMS for the following parts:

NanoRacks Swab Kit (15) TO: Stow ([step 7](#))

Table 1. Procedure Hazard Control List

Hazard Report Number	Hazard Control Number	Procedure Step(s)
		Existing procedural hazard controls are not applicable to this procedure