

SSAMI: Sample to Answer

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Striving for Simplicity

What is it?

A direct replacement, similar in cost, for the Biological Sampling Kit (BSK) providing 50 percent more capability in a robust and easy-to-use platform

Sample Collection

Sample Preparation

Presumptive Identification

REAT DETECTION KIT



A-0002-00

3	4	5	6	7	8	9	10	11	12
NU	XR	UC	UL	AB	OU	OS	POS	NEG	BLANK
22HM UR20 F017	22KM UR20 F015	22MM UR20 F015	22GM UR20 F016	23AM UR20 F017	22HM UR20 F015	22HM UR20 F016	22KM UR20 F016	22KM UR20 F017	NA

abled

07/20

NOT FOR DIAGNOSTIC USE

Evaluation Panel

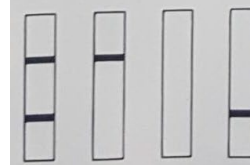
Phosphate Buffered Saline, pH 7.4
LOT#: 29J11120-001
Store at 2-8°C (36-46°F)
For Environmental Sampling Only
Not for Human Consumption

reat Detection Kit
Diagnostic Use"

ch containing 1-SSAMI Sampler
rd buffer and 1-SSAMI Detector

unction Fragments
eapons Material
suspicious liquids, powders...
or areas

/dirty/porous surface



Positive Negative Invalid Invalid

INSTRUCTIONS:

1. Ensure the SSAMI Platform is at **ROOM TEMP.** for at least **ONE HOUR** prior to use
2. Open the SSAMI Platform Barrier Bag and remove contents
3. **REMOVE WAND** from Sampler and **Swipe the SAMPLE AREA** (Recommended **10 cm X 10 cm** square)
4. **INSERT** the **WAND** back into the Sampler **UNTIL IT LOCKS** into place using a gentle rocking motion
5. **INSERT** the **SAMPLER VERTICALLY** into the **DETECTOR** Device and **COUPLE** by using a **CLOCKWISE** twist (standard Luer lock connection)
6. **HOLD** the Coupled platform **VERTICALLY** and use a combination of **PULLING, ROTATING, and PUSHING** along the path to the designed **FIRST SAMPLE STOP**
7. **DECOUPLE** the Sampler and Detector by **TWISTING COUNTER CLOCKWISE** and pull apart (Note: Second Sample is still available for extraction)
8. **WAIT 15 MINUTES** before reading the Detector results **DO NOT READ PRIOR TO OR AFTER 15MIN +/- 1MIN**
9. Read the results (See left side of the label to compare results)
10. Dispose of **BLEACHED NEG/INVALID** Assays as Medical Waste
11. For **POS** results, replace the Detector and Sampler (Second Sample) back into Zippered Barrier Bag and follow **CONTO** to ship to Confirmatory Lab

Key Features & Benefits

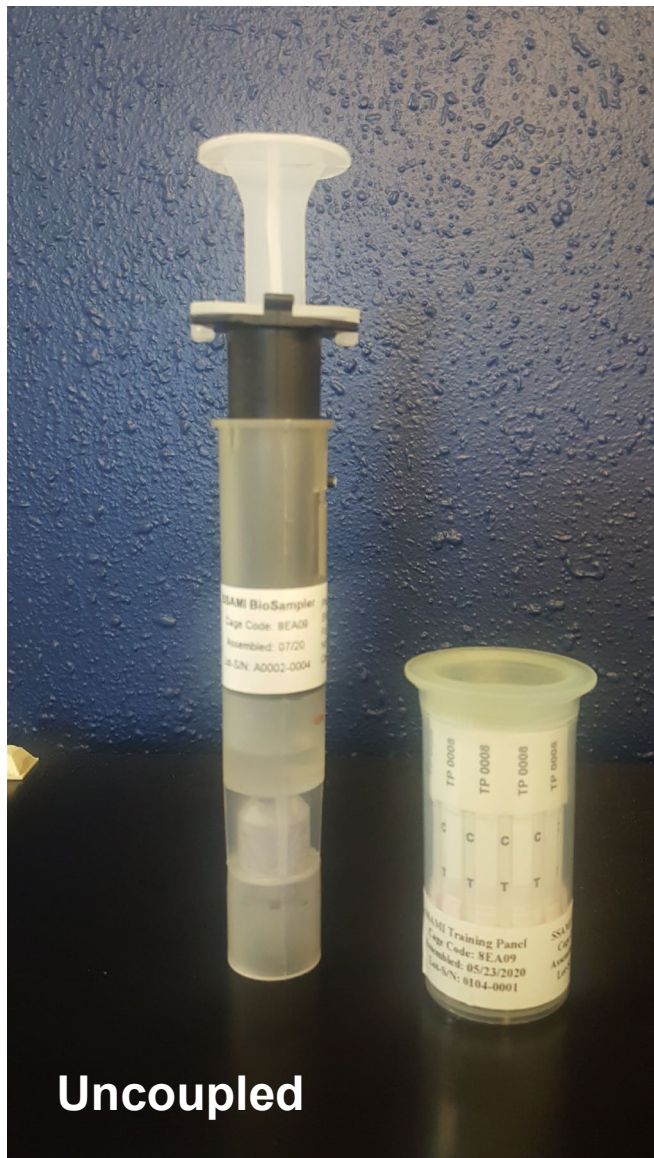
- Similar cost to the BSK
- 50 percent more capability
- Operational modularity
- Minimal time on target
- Low training burden
- No power, maintenance, calibration
- No sample preparation
- Light weight (0.15 lbs)
- Easy to decontaminate
- Low/No light operation
- Split samples
- Built-in safe sample transfer
- Specifically designed for MOPP Level 4



SSAMI Sampler



SSAMI Detector

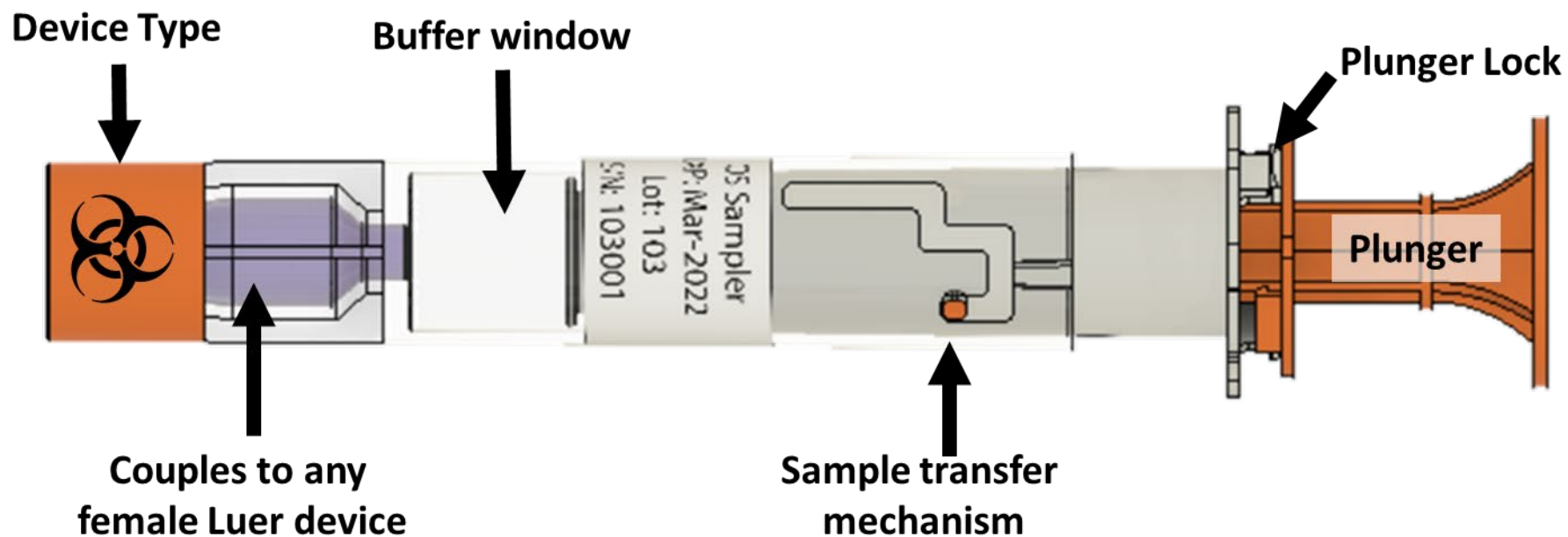


Uncoupled

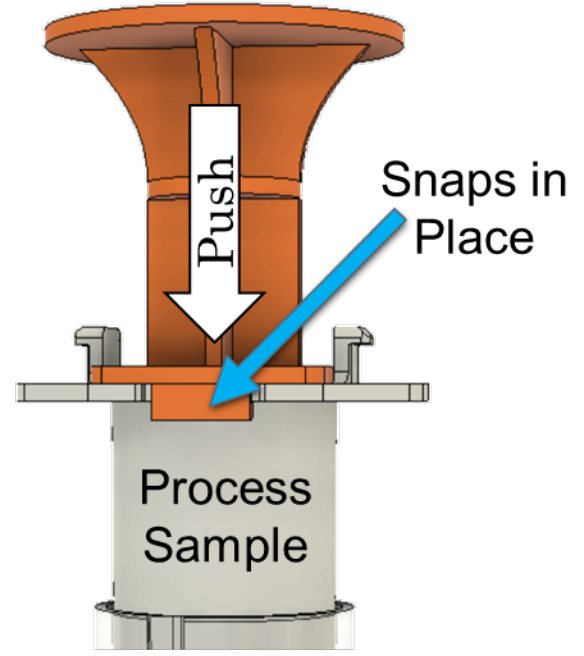
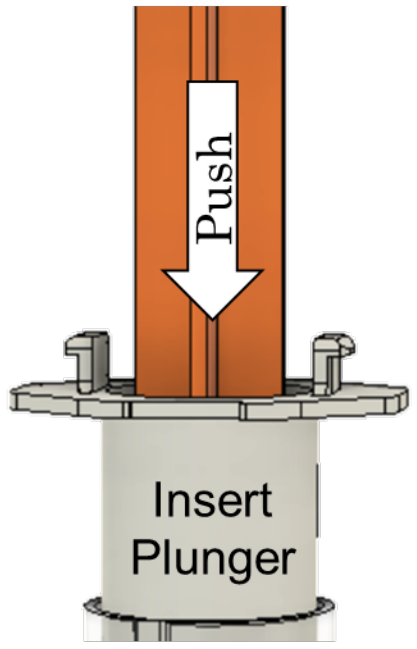
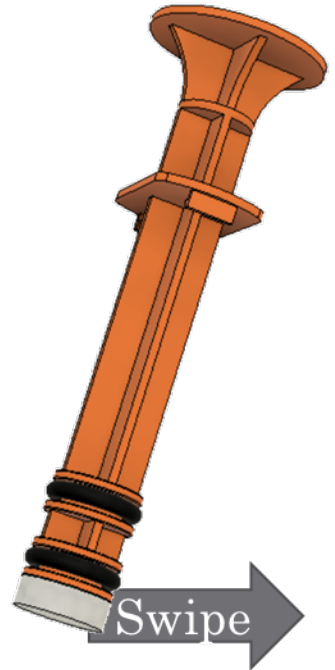
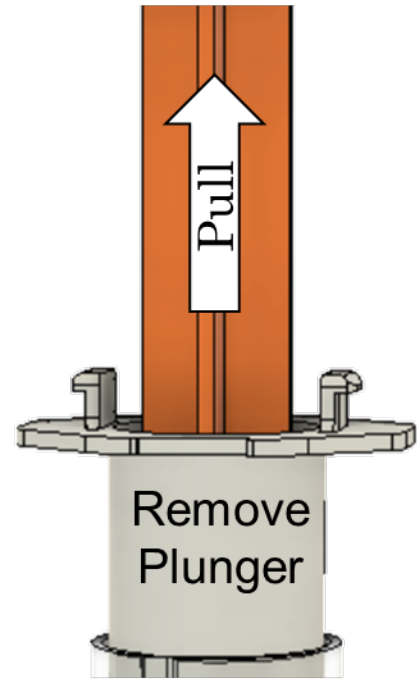
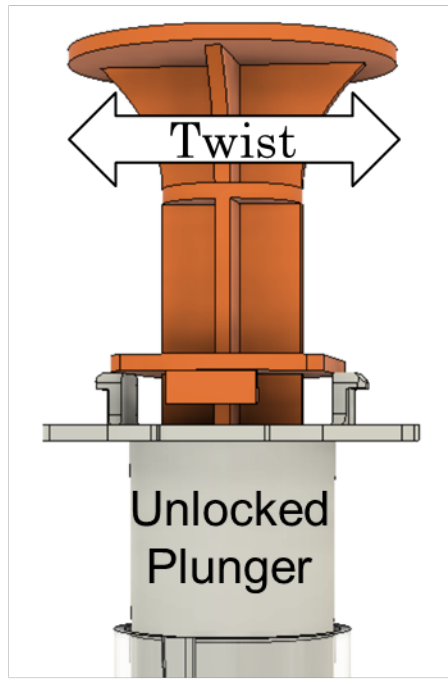
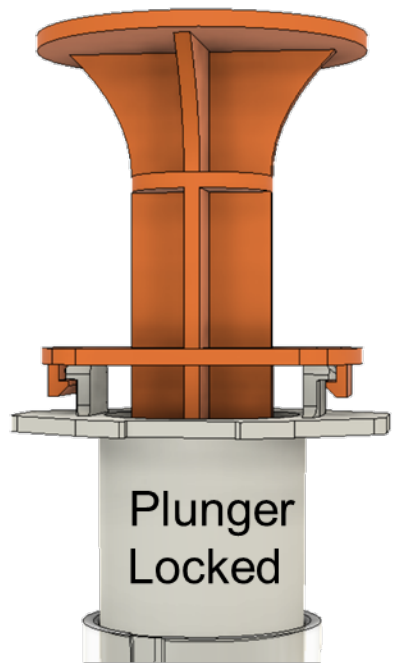


Coupled

Sampler Key Attributes

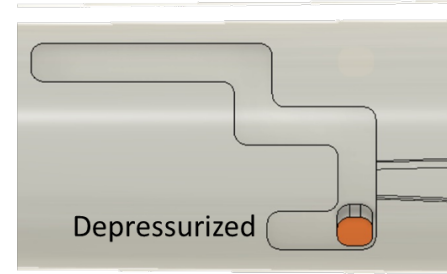
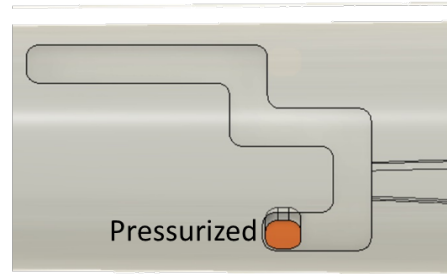


Sample Collection and Processing

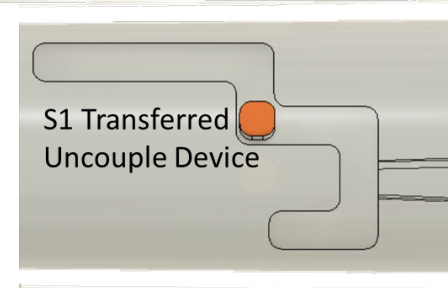
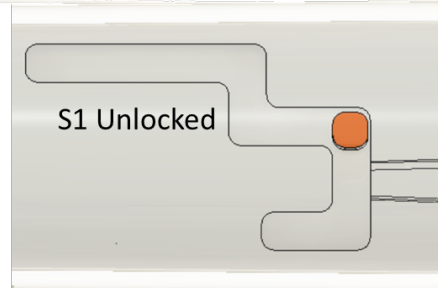
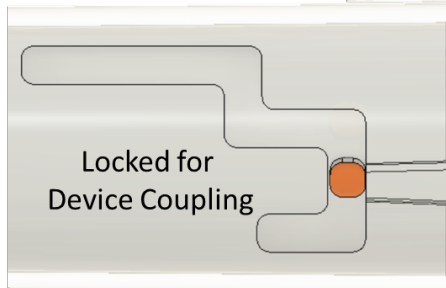


Sample Transfer

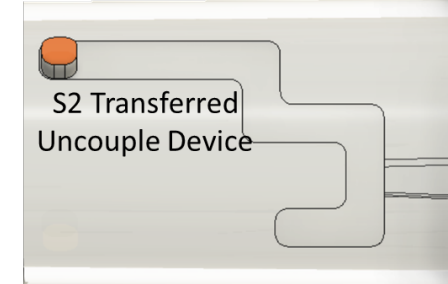
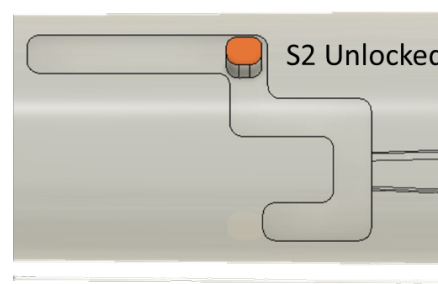
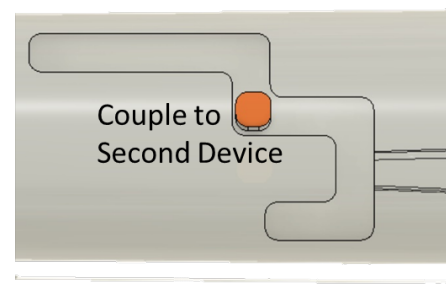
During sample processing
the system pressurizes then
depressurizes
(pin automatically moves)

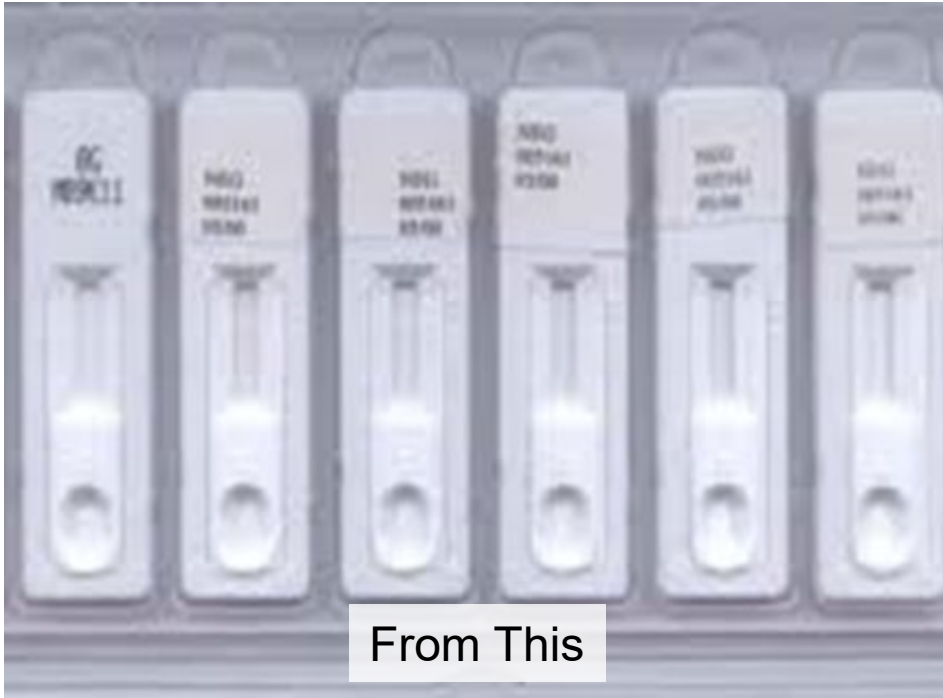


Sample 1 Transfer



Sample 2 Transfer





End User Assessment

Training and hands-on evaluation of an earlier embodiment

➤ JPEO-CBD with 20th CBRNE G-3 FM

in order to improve capabilities to identify, characterize, assess biological hazards

50% responded that it would shorten time on scene by more than 30%

67% reported platform was extremely easy to use and used confidently

83% reported it would operate without complication in PPE

100% responded it was easier than the BSK HHAs

Must have enough for split samples (75% reported need for 1.5mL retained sample)

42% reported need for low/no light operation 10-25% of the time

01-JULY-2019

Overall Feeling Toward Product



“Extremely [sic] a better product”



“Quicker and easier sampling device”



“Creates an easier and time efficient method to sample”



“Provides better capability; ease of use and shortens time”



Ease of use, twelve strips, and capable of providing sample for JHBI and/or lab