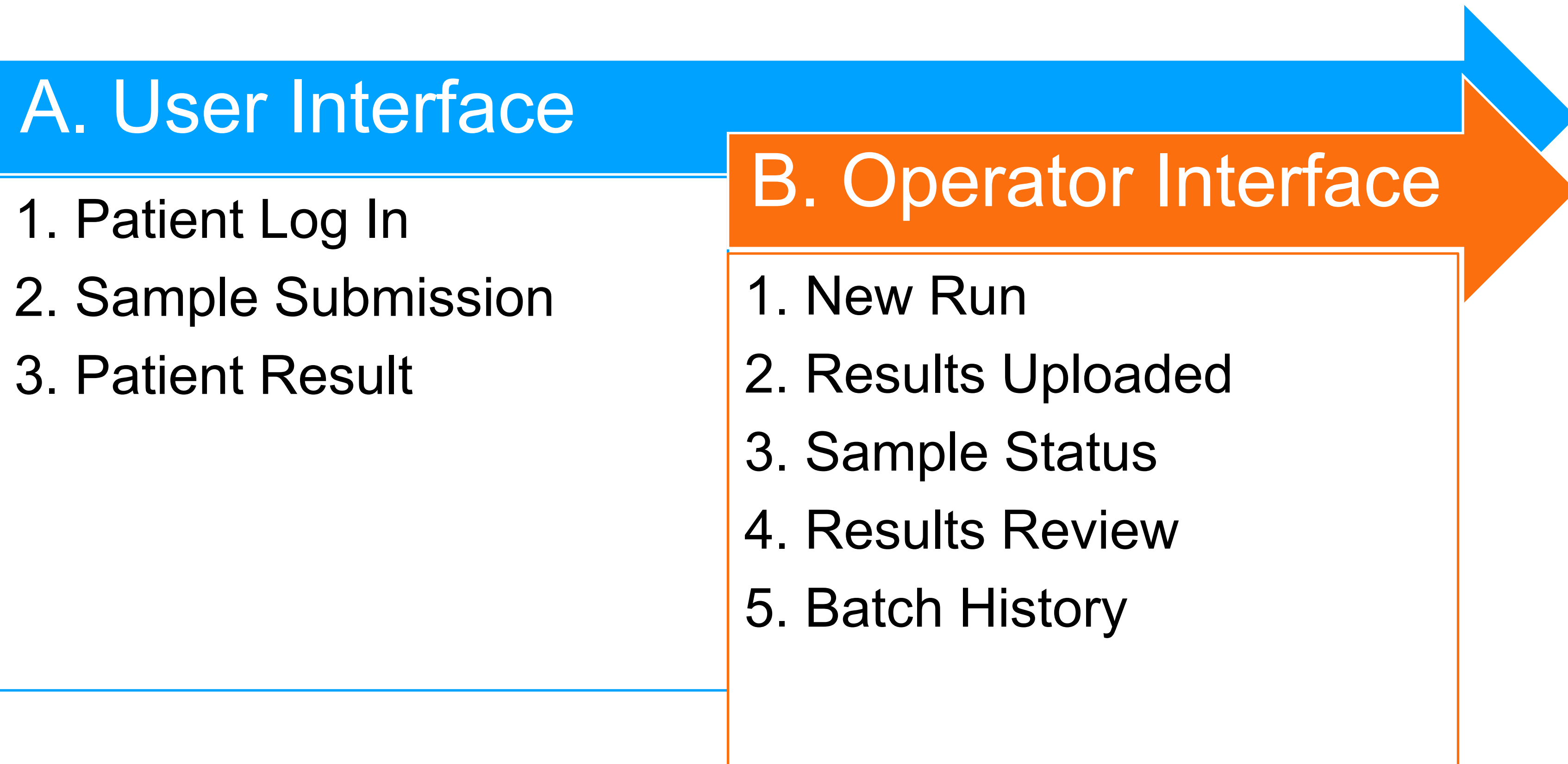
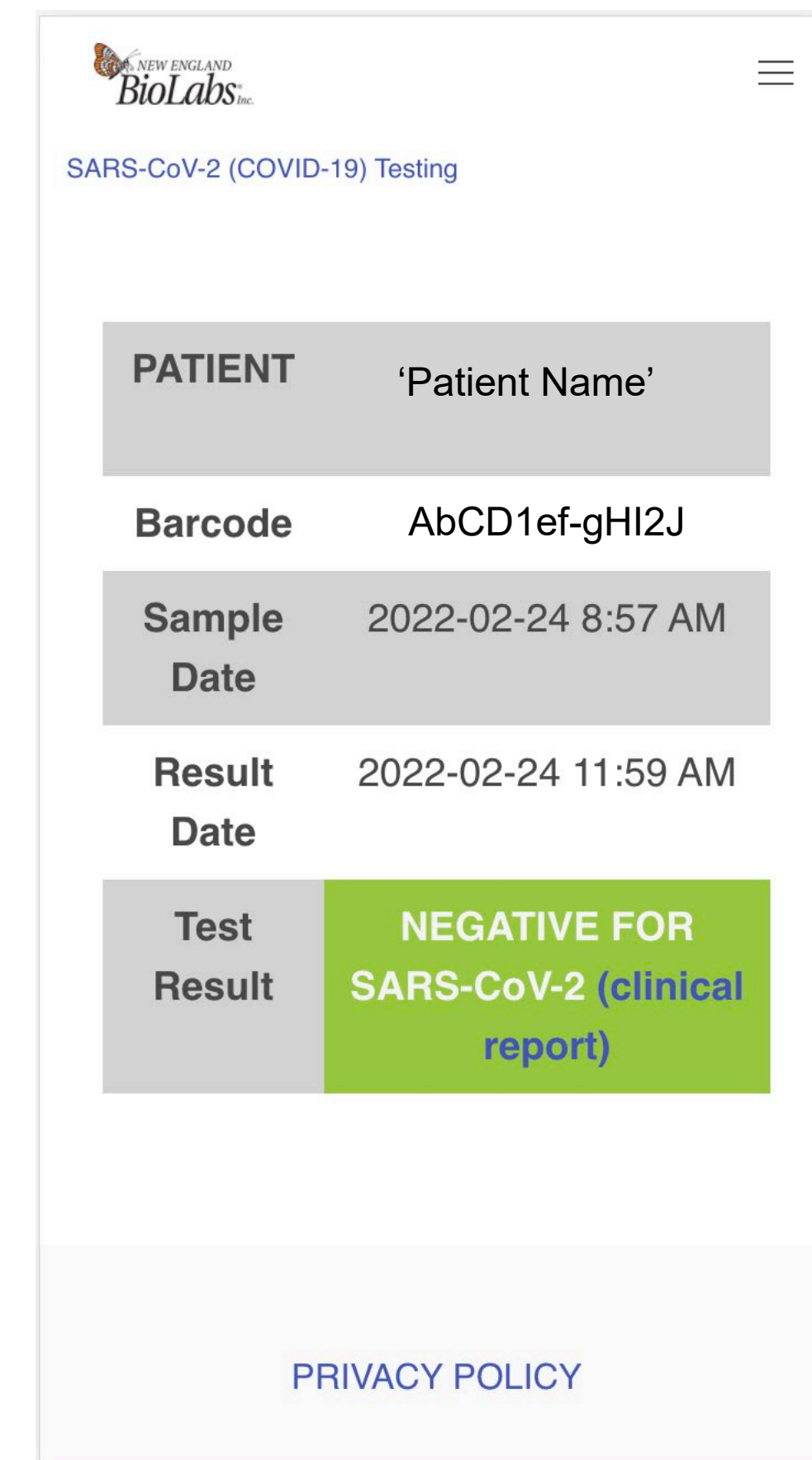
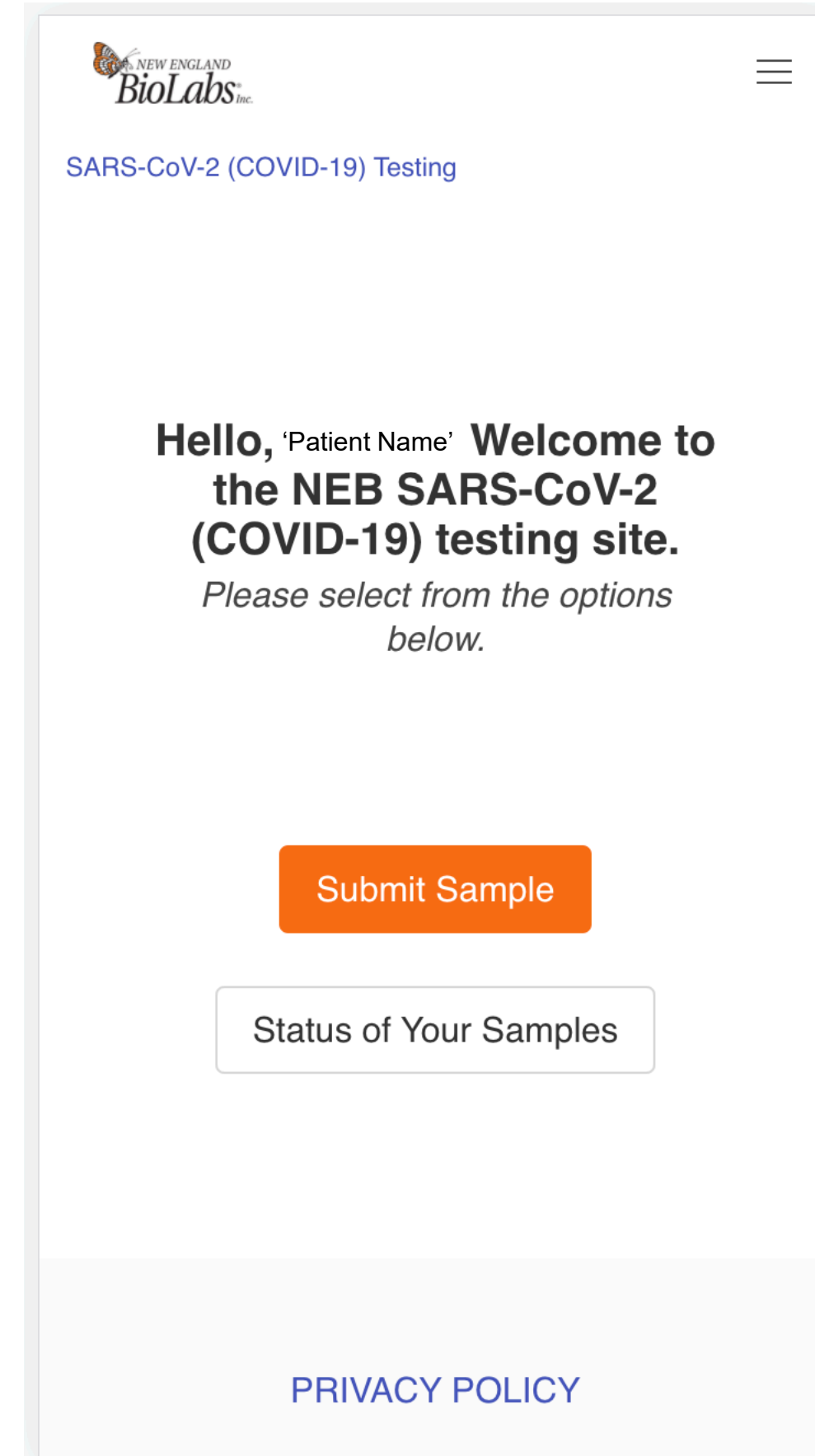
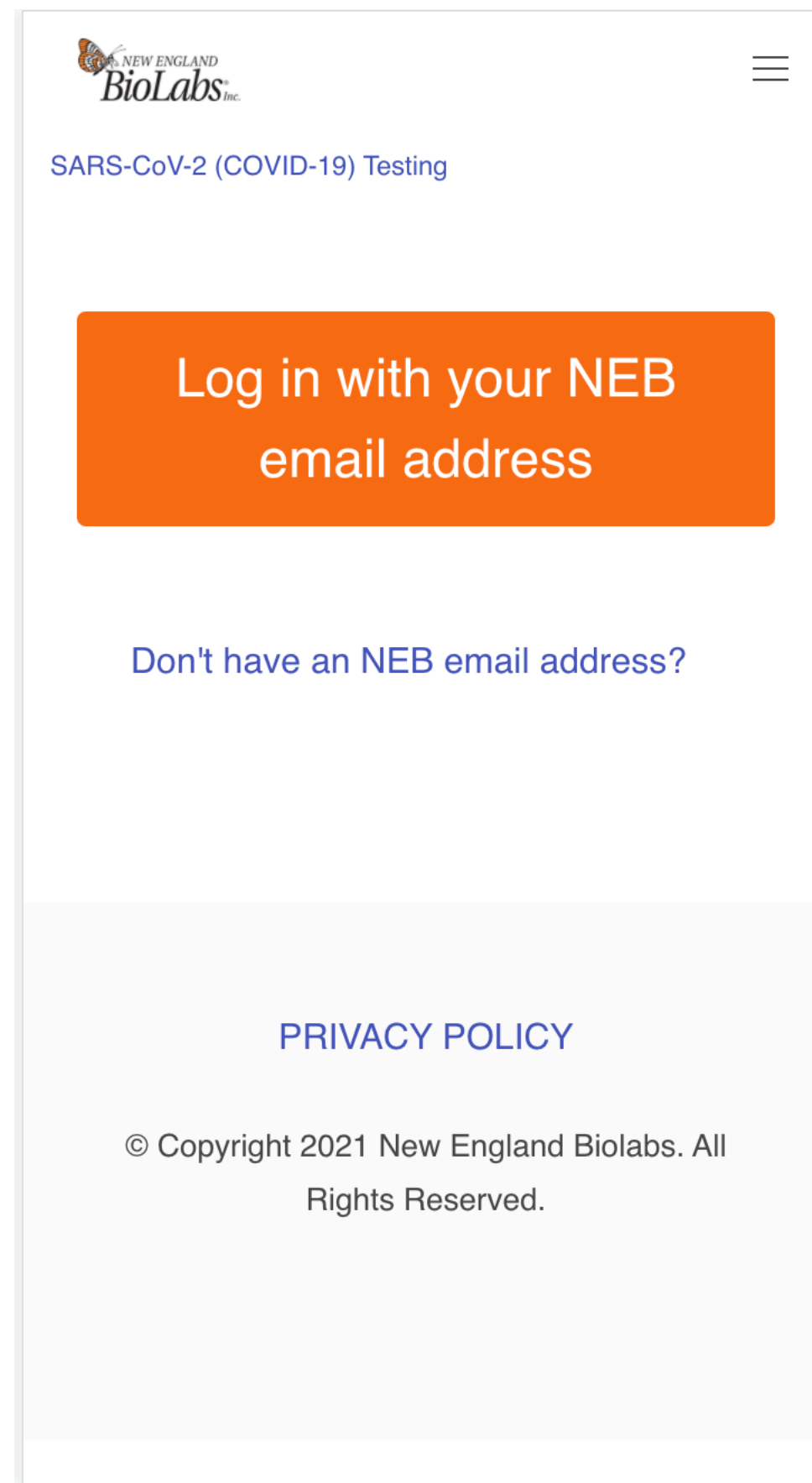


Figure S5. Electronic Health Records Portal: cov.neb.com



A. User Interface



B. Operator Interface

The screenshot shows the operator interface for the NEB SARS-CoV-2 (COVID-19) testing site. At the top left is the logo for New England Biolabs, Inc. The main header contains the text "SARS-CoV-2 (COVID-19) Testing" followed by navigation links: "Runs", "Amp. Details", "Sample Status", "Finalize Batch", and "Result Batches". On the right side of the header, it says "Logged in as: cov-admin" with a "Sign out" button.

The main content area features a welcome message: "Hello, Admin. Welcome to the NEB SARS-CoV-2 (COVID-19) testing site." followed by the instruction "Please select from the options below." Below this, there are three columns of buttons. The first column contains "Runs" (highlighted in orange), "Amp. Details", "Sample Status", and "Results Summary". The second column contains "Submit Sample", "Status of Your Samples", "Release Pending", and "Result Batches". The third column contains "Submitters", "Thermometers", and "Labels".

At the bottom of the page, there is a "PRIVACY POLICY" link and a copyright notice: "© Copyright 2021 New England Biolabs. All Rights Reserved."

B1. New Run



New Run

Operator

Suffix e.g. Rack01

Instrument checks
 neg80_freezer neg20_freezer cold_box_32022 cold_box_BL2 biosafety_cabinet
 thermomixer liquid_handler thermocycler scanner

Check All

Inactivation

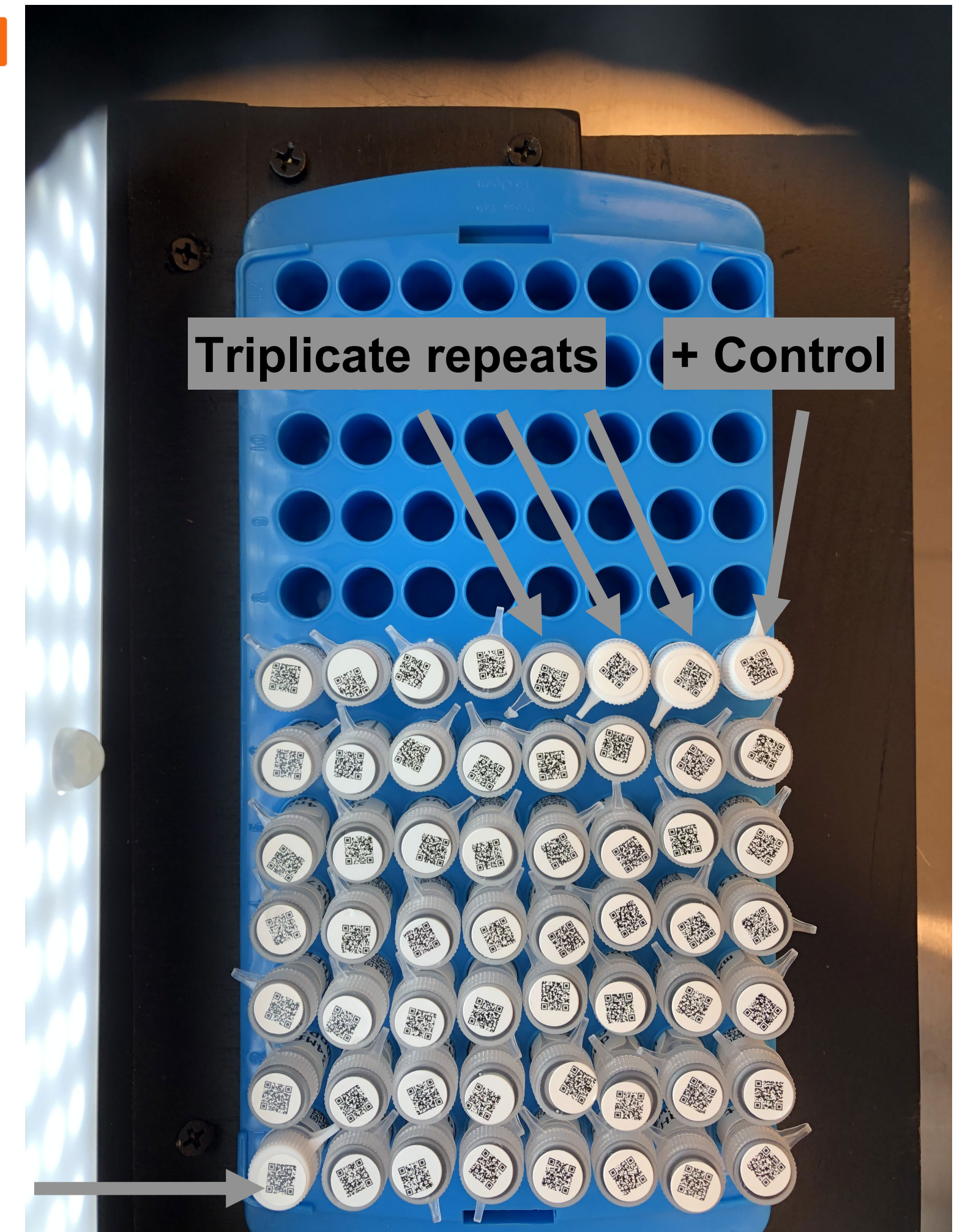
of samples expected

Layout images No file chosen

Oven temperature Before: After:

Lysis

Plate barcodes SLB: SARS-CoV-2: Actin:



B2. Results Upload

Amplification

Bio-Rad Plate Map	Bio-Rad plate map
Plate Barcode	<input type="text" value="6759475320"/>
Target	<input type="text" value="SARS-CoV-2 N2+E1"/>
Operator	<input type="text" value="rmoncion"/>
Bio-Rad .pcrd file	<input type="button" value="Choose File"/> No file chosen
Cq Results .xlsx file	<input type="button" value="Choose File"/> No file chosen
Amp Results .xlsx file	<input type="button" value="Choose File"/> No file chosen

[Current .pcrd File](#)

[Current Cq File](#)

[Current Amp Results File](#)

Plate Images

Pre-Amp. Image	<input type="button" value="Choose File"/> No file chosen
Post-Amp. Image	<input type="button" value="Choose File"/> No file chosen

[Current Pre-Amp Image](#)

[Current Post-Amp Image](#)

[Update Bio rad experiment](#)

[Destroy](#) | [Run](#)

B3. Sample Status



Samples

All Incomplete

New

In Progress

Final Release Pending

Invalid

Not Received

Check All 17 samples match status: New

Show 100 entries Copy

Search:

Sample Date	Sample	Experiments	SARS Cqs	Human Cqs	Result	Release Result	Notes
2022-03-01 9:20 AM	AbCD1ef-gHI2J (New)				Result Pending	no data	<input type="text" value="Notes..."/>
2022-03-01 11:01 AM	AbCD2ef-gHI2J (New)				Result Pending	no data	<input type="text" value="Notes..."/>
2022-03-01 12:05 PM	AbCD3ef-gHI2J (New)				Result Pending	no data	<input type="text" value="Notes..."/>

B4. Result Review



Release Pending Results

Temperature log

Choose File Temperature logs (107).xlsx

Uncheck All

Show 1,000 entries Copy

Search:

Sample Registration Date	Sample	SARS-CoV-2 Cq Values	Human Cq Values	Result	Confirm	Notes
2022-03-02 1:11 PM	AbCD1ef-gHI2J	N/A	27.3	not_detected	<input checked="" type="checkbox"/>	
2022-03-02 3:56 PM	AbCD2ef-gHI2J	N/A	25.3	not_detected	<input checked="" type="checkbox"/>	
2022-03-02 3:58 PM	AbCD3ef-gHI2J	N/A	25.6	not_detected	<input checked="" type="checkbox"/>	
2022-03-02 4:03 PM	AbCD4ef-gHI2J	N/A	28.0	not_detected	<input checked="" type="checkbox"/>	

B5. Batch History



SARS-CoV-2 (COVID-19) Testing

Runs

Amp. Details

Sample Status

Finalize Batch

Result Batches

Logged in as: cov-admin

Sign out

SARS-CoV-2 Testing Results

Show entries

Search:

Batch Approval Date	Result Summary
2022-03-03	SARS_CoV-2 detected in 1/442 samples (0 inconclusive, 3 not identified)
2022-03-01	SARS_CoV-2 detected in 1/418 samples (0 inconclusive, 1 not identified)
2022-02-28	SARS_CoV-2 detected in 0/434 samples (0 inconclusive, 3 not identified)
2022-02-24	SARS_CoV-2 detected in 1/415 samples (0 inconclusive, 4 not identified)
2022-02-22	SARS_CoV-2 detected in 0/368 samples (0 inconclusive, 1 not identified)
2022-02-18	SARS_CoV-2 detected in 0/68 samples (0 inconclusive, 0 not identified)
2022-02-17	SARS_CoV-2 detected in 1/423 samples (0 inconclusive, 5 not identified)
2022-02-15	SARS_CoV-2 detected in 2/407 samples (0 inconclusive, 2 not identified)
2022-02-14	SARS_CoV-2 detected in 1/411 samples (0 inconclusive, 4 not identified)