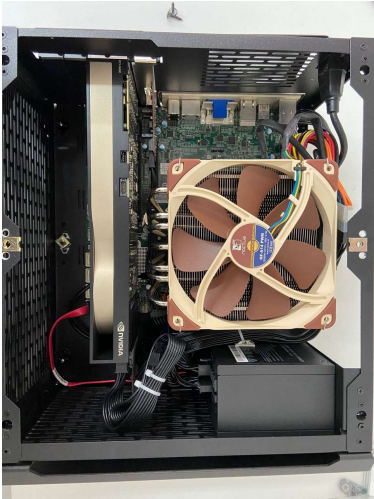# Scopio

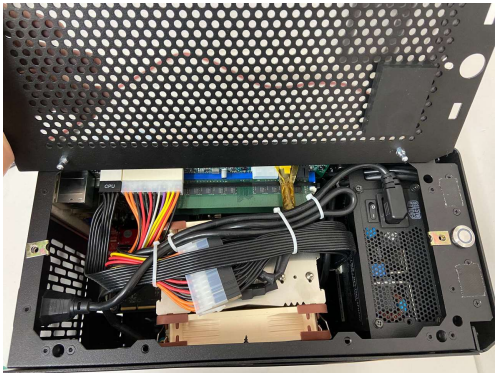# Integration Report

Processing Unit S/N: 1161

X100 S/N: 296

Performed by: Amit Hauzer
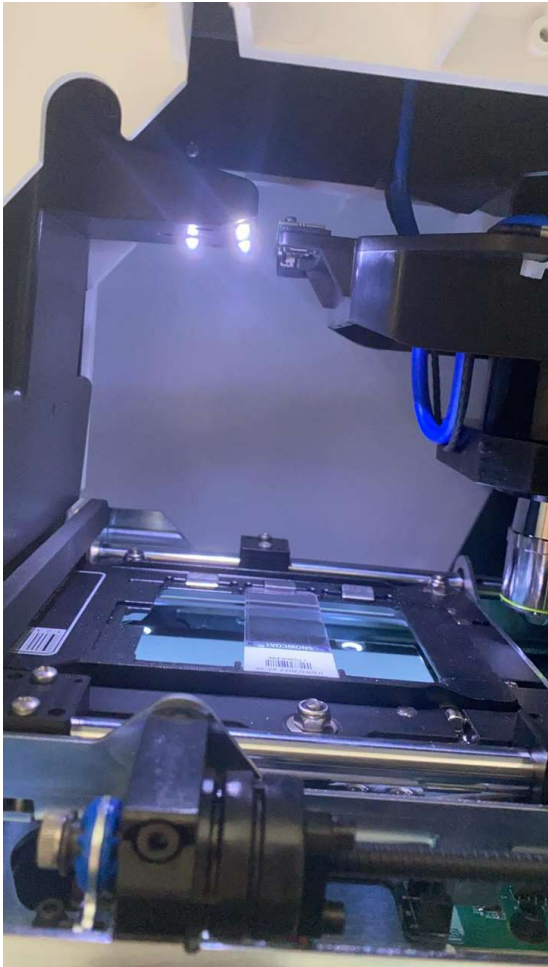
Date: 07/07/2022

Step	Evidence	Pass / Fail
1 **X100 Revision**	**Type:** x100 **Revision:** 33	Pass
2 **PU Revision**	**Type:** V2 **Revision:** V2.2-1	Pass
3 **SB - Visual Inspection**	**Left side without panel:** **Top without panel:**	Pass

4	SB Report	**Device Name**	Pass

```
######################### cat /etc/hosts #########################
127.0.0.1       localhost
127.0.1.1       scopiobox1161

# The following lines are desirable for IPv6 capable hosts
::1     ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

Mac address — Pass

```
######################### MAC Address eno1 #########################
eno1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.116.112  netmask 255.255.255.0  broadcast 192.168.116.255
        inet6 fe80::3eec:efff:fe2d:99d2  prefixlen 64  scopeid 0x20<link>
        ether 3c:ec:ef:2d:99:d2  txqueuelen 1000  (Ethernet)
        RX packets 8636179  bytes 1081173252 (1.0 GB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 17431295  bytes 25097350919 (25.0 GB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0x82200000-82220000
```

Secureboot version — Pass

```
######################### Secureboot version #########################
HEAD detached at securebootV1.2
Untracked files:
  (use "git add <file>..." to include in what will be committed)

        ../.~lock.add_usr.sh#
        ../IPMICFG-Linux.x86_64
        ../add_usr.sh

nothing added to commit but untracked files present (use "git add" to track)
```

Secureboot enable — Pass

```
####################### Secureboot enable #######################
SecureBoot enabled
        Issuer: C=IL, ST=Israel, L=TLV, O=SCOPIO, CN=Secure Boot Signing/emailAddress=info@scopiolabs.com
        Subject: C=IL, ST=Israel, L=TLV, O=SCOPIO, CN=Secure Boot Signing/emailAddress=info@scopiolabs.com
```

GPU — Pass

```
######################         GPU         ######################
Mon Sep  5 15:31:21 2022
+-----------------------------------------------------------------------------+
| NVIDIA-SMI 460.32.03    Driver Version: 460.32.03    CUDA Version: 11.2      |
|-------------------------------+----------------------+----------------------+
| GPU  Name        Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp  Perf  Pwr:Usage/Cap|         Memory-Usage | GPU-Util  Compute M. |
|                               |                      |               MIG M. |
|===============================+======================+======================|
|   0  Graphics Device     Off  | 00000000:01:00.0 Off |                  Off  |
| 30%   34C    P8    17W / 230W |      5MiB / 24256MiB |      0%      Default  |
|                               |                      |                  N/A |
+-------------------------------+----------------------+----------------------+

+-----------------------------------------------------------------------------+
| Processes:                                                                  |
|  GPU   GI   CI        PID   Type   Process name                  GPU Memory |
|        ID   ID                                                   Usage      |
|=============================================================================|
|    0   N/A  N/A      1902      G   /usr/lib/xorg/Xorg                  4MiB |
+-----------------------------------------------------------------------------+
GPU 0: Graphics Device (UUID: GPU-81247412-5932-8a11-557a-a415560ff3b1)
```

SBNet	**Pass**

```
######################      SBnet      ######################
tun0: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST>  mtu 1500
        inet 10.10.17.51  netmask 255.255.240.0  destination 10.10.17.55
        inet6 fe80::e295:9cab:5352:fd91  prefixlen 64  scopeid 0x20<link>
        unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  txqueuelen 100  (UNSPEC)
        RX packets 49  bytes 6013 (6.0 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 50  bytes 7185 (7.1 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

SBNet Region	IL	**Pass**

Netplan	**Pass**

```
######################      netplan      ######################
# Let NetworkManager manage all devices on this system
network:
  version: 2
  renderer: NetworkManager
  ethernets:
    eno1:
       dhcp4: yes
    eno2:
       dhcp4: no
       addresses: [10.156.230.10/30]
```

lsblk	**Pass**

```
######################      lsblk      ######################
NAME                        MAJ:MIN RM    SIZE RO TYPE   MOUNTPOINT
loop0                           7:0   0    47M  1 loop   /snap/snapd/16292
loop1                           7:1   0  55.6M  1 loop   /snap/core18/2538
loop2                           7:2   0 105.6M  1 loop   /snap/cmake/586
loop3                           7:3   0  55.5M  1 loop   /snap/core18/2284
sda                             8:0   0 894.3G  0 disk
└─sda1                          8:1   0 894.3G  0 part   /mnt/hd1
sdb                             8:16  1  14.9G  0 disk
└─sdb1                          8:17  1  14.9G  0 part   /mnt/device
nvme0n1                       259:0   0   1.8T  0 disk
├─nvme0n1p1                    259:1   0   512M  0 part   /boot/efi
├─nvme0n1p2                    259:2   0   1.5G  0 part   /boot
├─nvme0n1p3                    259:3   0   893G  0 part
│ └─nvme0n1p3_crypt            253:0   0   893G  0 crypt
│   ├─xubuntu--vg-root         253:1   0    60G  0 lvm    /
│   ├─xubuntu--vg-srv          253:2   0   1.8T  0 lvm    /srv
│   └─xubuntu--vg-swap_1       253:3   0     1G  0 lvm    [SWAP]
└─nvme0n1p4                    259:4   0   968G  0 part
  └─xubuntu--vg-srv            253:2   0   1.8T  0 lvm    /srv
```

5	Deployment	About image:	Pass

About

VIEW USER MANUAL

Scopio

X100 with Full Field Peripheral Blood Smear (PBS) Application

2.1.3

VER
Application: 1.5.2-12
Imaging: v2.3.9
AI: v8_0_1 (v2.6.4)

SN 296

Scopio Labs Ltd.
10 Hasharon St, Tel Aviv, 6618502, Israel
https://www.scopiolabs.com

EC REP **OBELIS S.A** Bd Général Wahis 53,
B-1030 Brussels, Belgium

6	X100 Visual inspection	Front LEDs image:	Pass
7	Installation App	Calibration Report:	Pass

Calibration Report

X100: 296
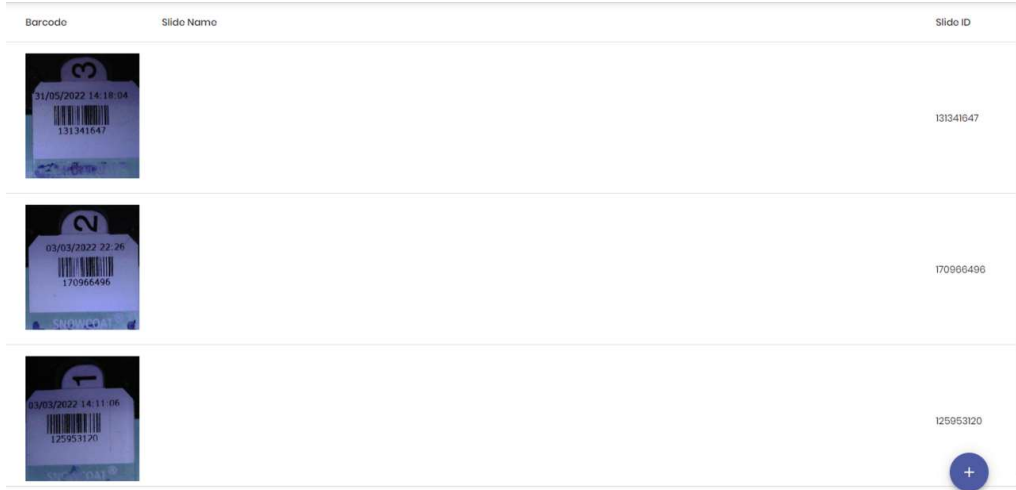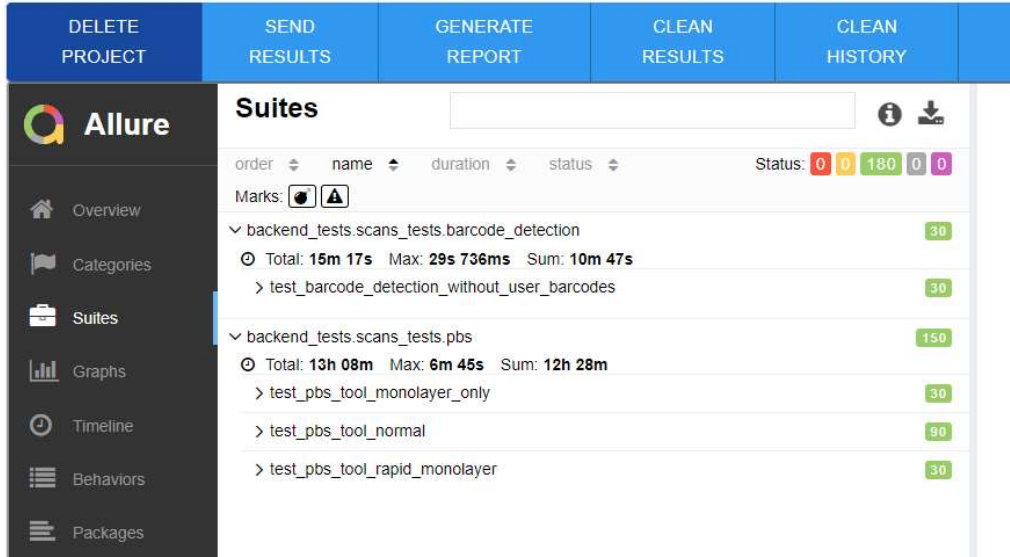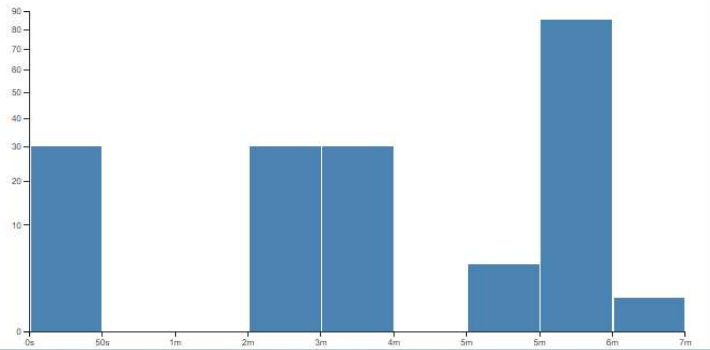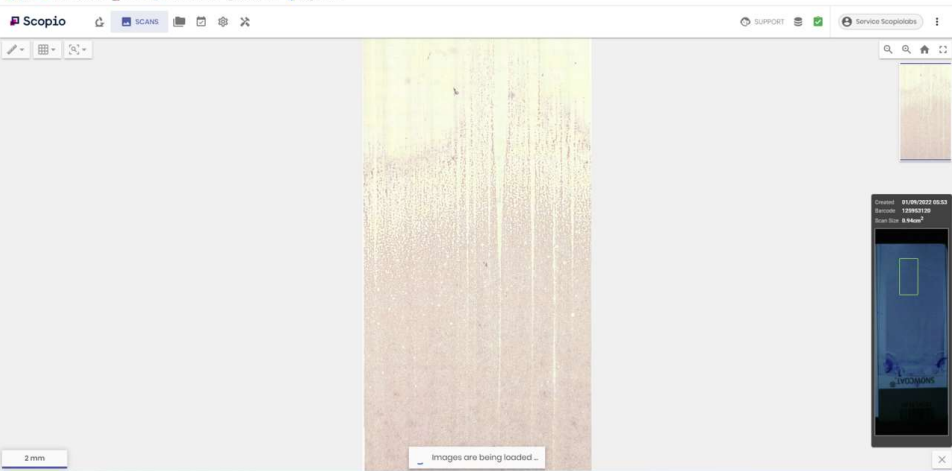
app:	installation
recipe_version:	1.0
serial:	296
hardware:	X100
hostname:	scopiobox1162
user:	Service Scopiolabs
user_name:	Service Scopiolabs
user_id:	3
transfer version:	2.1.3
status:	complete
started:	2022-07-07 11:45:33 UTC
recipe:	installation
current_step:	6
finished:	2022-07-07 12:14:44 UTC
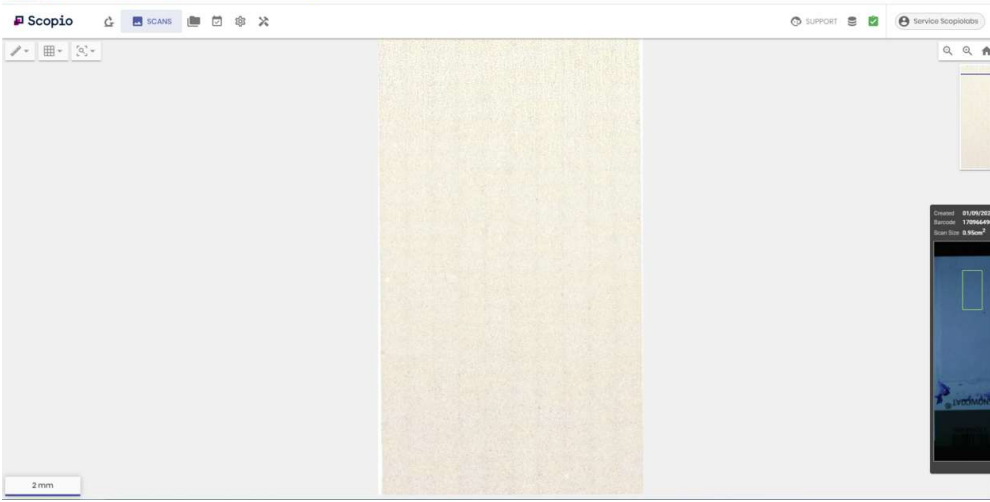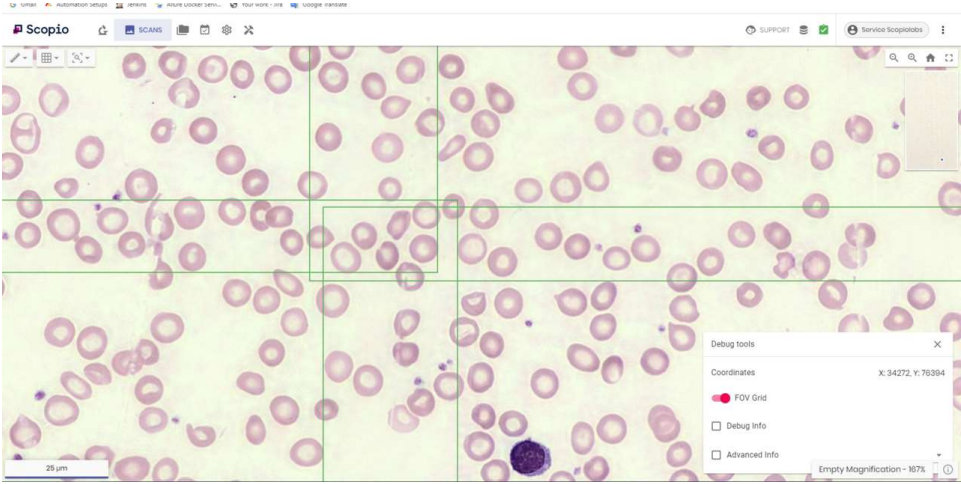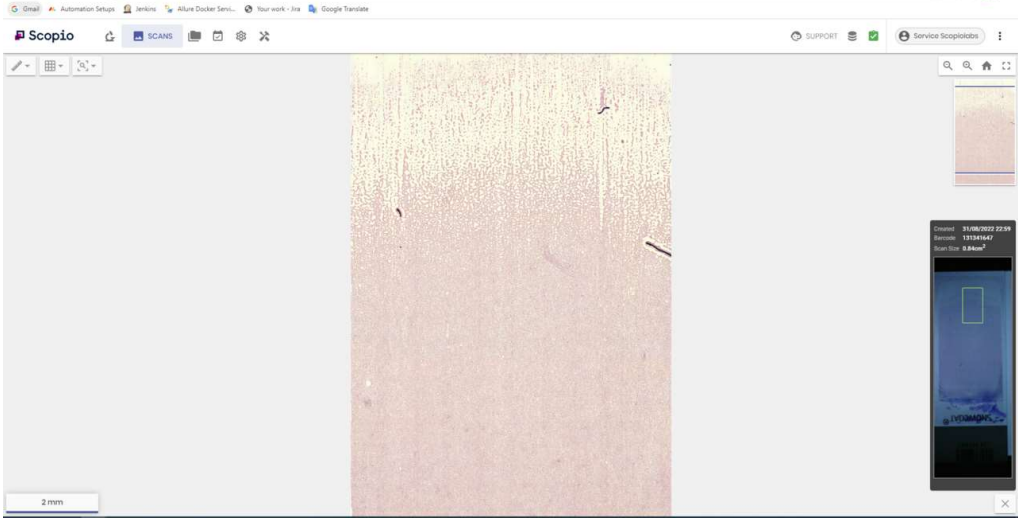
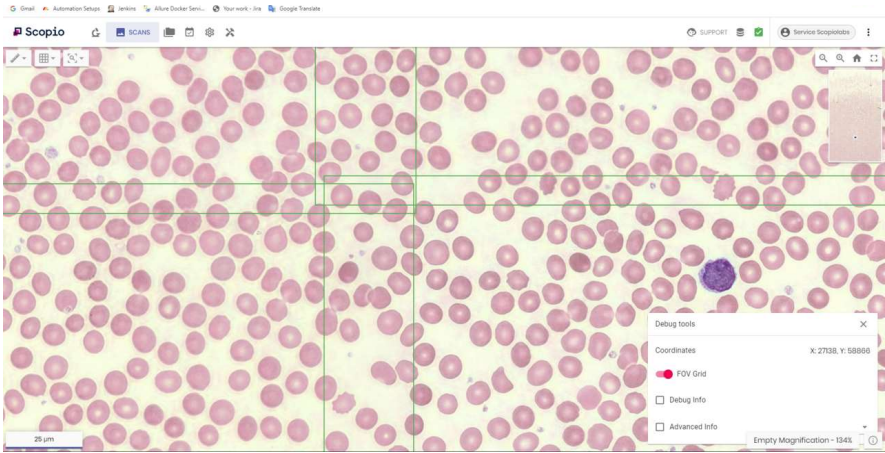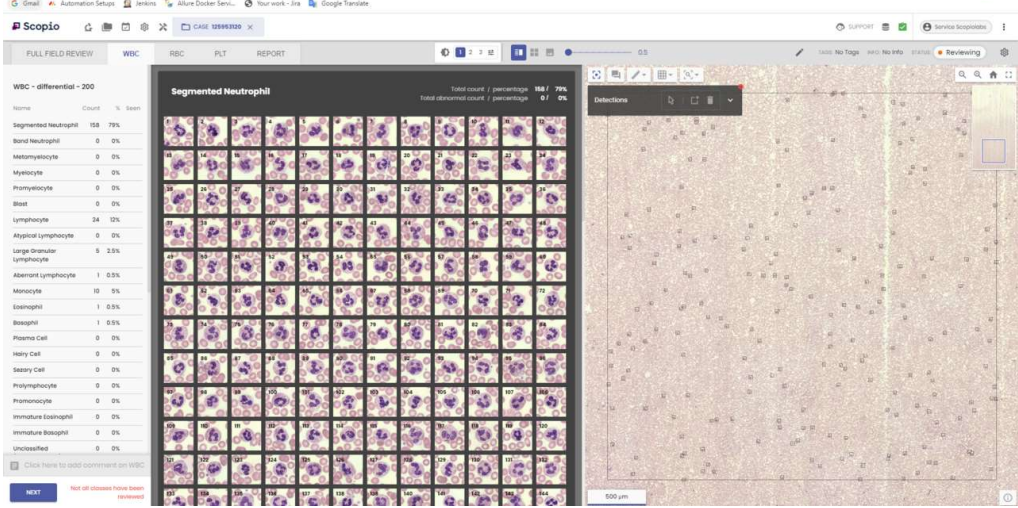| Date	Calibration	Message	Results	Status	Acceptance Criteria	Evidence
2022-07-07 11:47:44 UTC	Check total physical memory	Physical memory size meets the expectation	{}	success	1. check ramdisk space >=64 * 1e9(bit)	
2022-07-07 11:49:16 UTC	S3 pull	Values pulled from S3 successfully	{}	success		
2022-07-07 11:49:57 UTC	Restart servers	servers restarted successfully	{}	success		
2022-07-07 11:51:44 UTC	Initialize z	Focus found, you can carry on with calibration	{"time": 55.584, "z_final": 458.94}	success	1. autofocus found focus =True(boolean)	
2022-07-07 11:59:18 UTC	Recalc z	Z limit is recalculate	{"time": 10.995, "z_final": 488.33}	success	1. autofocus found focus =True(boolean)	

Date	Calibration	Message	Results	Status	Acceptance Criteria	Evidence
2022-07-07 11:59:33 UTC	Stage tilt calculation	No tilt fixing needed. Ready to work	{"time": 14, "screw to turn": "screw 2", "turn2": 26.539199999999997, "turn3": -19.1772, "score": 0.6411}	success	1. the fraction needed to turn screw 2 to elimiate stage tilt <=0.11(fraction of screw turn) 2. the fraction needed to turn screw 3 to elimiate stage tilt <=0.11(fraction of screw turn)	
2022-07-07 12:02:25 UTC	XY engines accuracy	XY engines errors are within specs	{"time": 80.501, "bad_move_prec": 0.0, "fast_pos_comp": 40, "fast_neg_comp": -40, "slow_ax_comp": {"neg": -5, "pos": -5}, "mean_crosstalk_pos_move": -0.52, "mean_crosstalk_neg_move": 1.17}	success	1. precentage of bad moves detected <=5(precentage) 2. mean crosstalk moves <=3(um)	
2022-07-07 12:08:14 UTC	New motors tilt calculation	Motor - stage tilts are within specs	{"x_motor_tilt": -0.0022531352228066285, "y_motor_tilt": -0.00045938401621952596}	success	1. angle between z axis and x with slide inconcictencies in considerations <=0.04(angle) 2. angle between z axis and y with slide inconcictencies in considerations <=0.04(angle) 3. r**2 of tilt >=0.85(none)	
2022-07-07 12:11:10 UTC	Vibration decay time - X movement	Settling time is within specs	{"time": 41.441, "x_settling_time": 21.606810989978925, "y_settling_time": 11.220330025479075, "normal_score": 340.98566680004444}	success	1. checks std vibration in x axis <=120(ms) 2. max value of std setteling time (x or y axis) <=15(ms) 3. max value of mean setteling time (x or y axis) <=350(ms) 4. checks if std fits the required settling time in x axis =True(boolean)	

Date	Calibration	Message	Results	Status	Acceptance Criteria	Evidence
2022-07-07 12:11:51 UTC	Vibration decay time - Y movement	Settling time is within specs	{"time": 38.388, "x_settling_time": 94.35994685135279, "y_settling_time": 158.64300874701914, "normal_score": 385.7655918000219}	success	1. checks std vibration in y axis <=240(ms) 2. max value of std setteling time (x or y axis) <=15(ms) 3. checks if std fits the required settling time in y axis =True(boolean)	
2022-07-07 12:12:06 UTC	S3 push	Values stored to S3 successfully	{}	success		

8	Barcode Picture	**Scans gallery image:** 	Pass
9	Automation Report	**Times summary:** 	Pass
		Summary of success:	Pass

scopiobox1161

http://allure.scopiolabs.com/allure-docker-service-ui/projects/scopiobox1161/reports/latest

DELETE PROJECT | SEND RESULTS | GENERATE REPORT | CLEAN RESULTS | CLEAN HISTORY | GET EMAILABLE RE

Allure

- Overview
- Categories
- Suites
- Graphs
- Timeline
- Behaviors
- Packages

STATUS

100%

- Failed
- Broken
- Passed
- Skipped
- Unknown

DURATION

| 10 | FOV Grid and scan area: Top slot | Zoom out scan: | Pass |

		Zoom in scan:	**Pass**
11	**FOV Grid and scan area: Middle slot**	**Zoom out scan:**	**Pass**
		Zoom in scan:	**Pass**

12	FOV Grid and scan area: Bottom slot	**Zoom out scan:**	Pass
		Zoom in scan:	Pass

14	WBC	**Random slot:** 	Pass
15	PLT	**Random slot:**	Pass

16	Sign off	**Random case:**		Pass
17	Cleanup	**Empty case gallery:**		Pass
		Storage Status:		Pass

Storage Status

Scopio X100

CASES: 4%   71GB / 1843GB

Cases in the past 10 days

	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu
	0	0	0	0	0	0	0	0	0	0
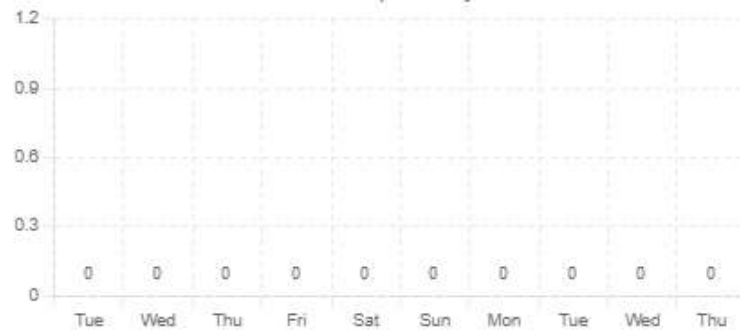
Oldest case available: …

ARCHIVE: 0%   1GB / 915GB

CLOSE

Reviewed by: _____