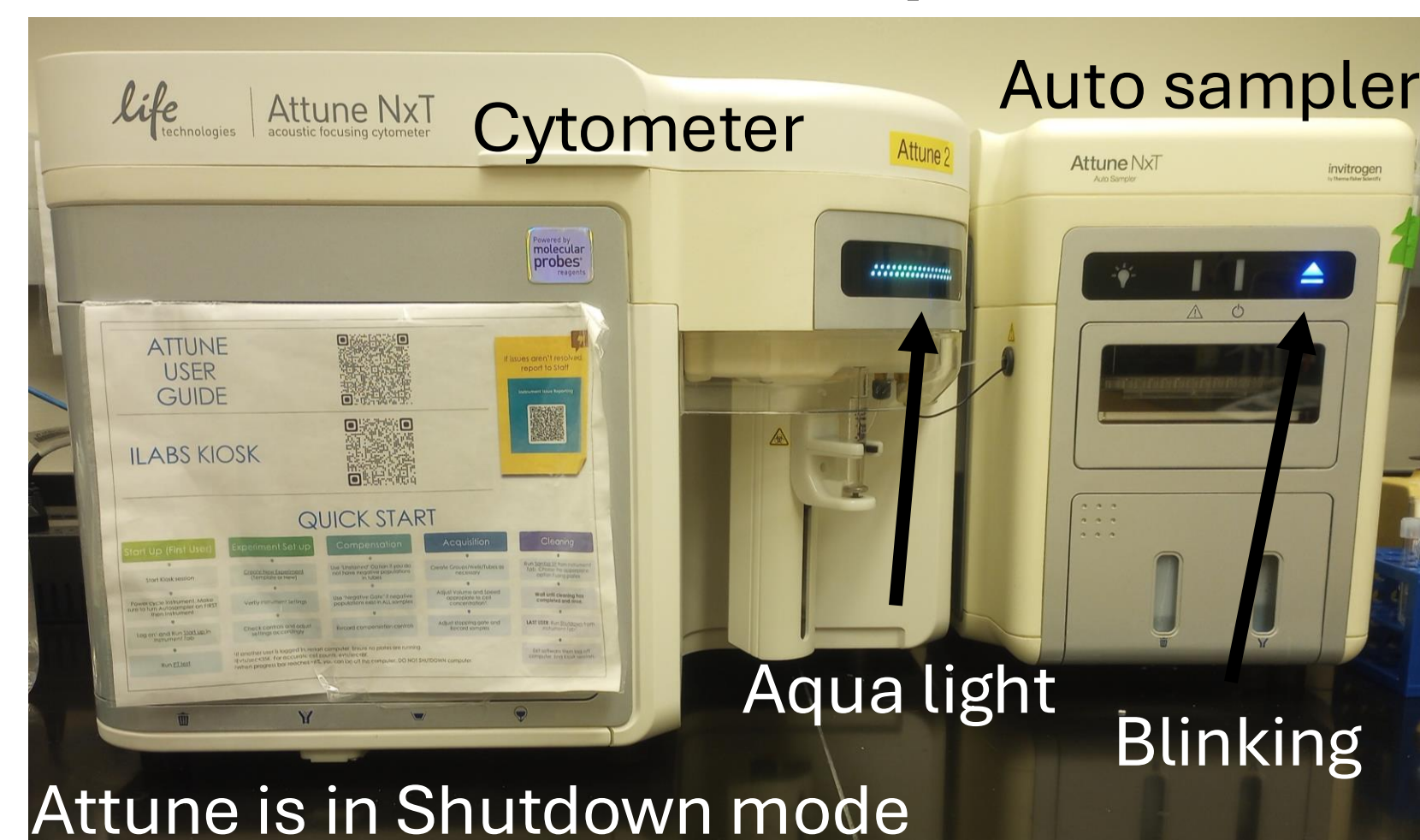
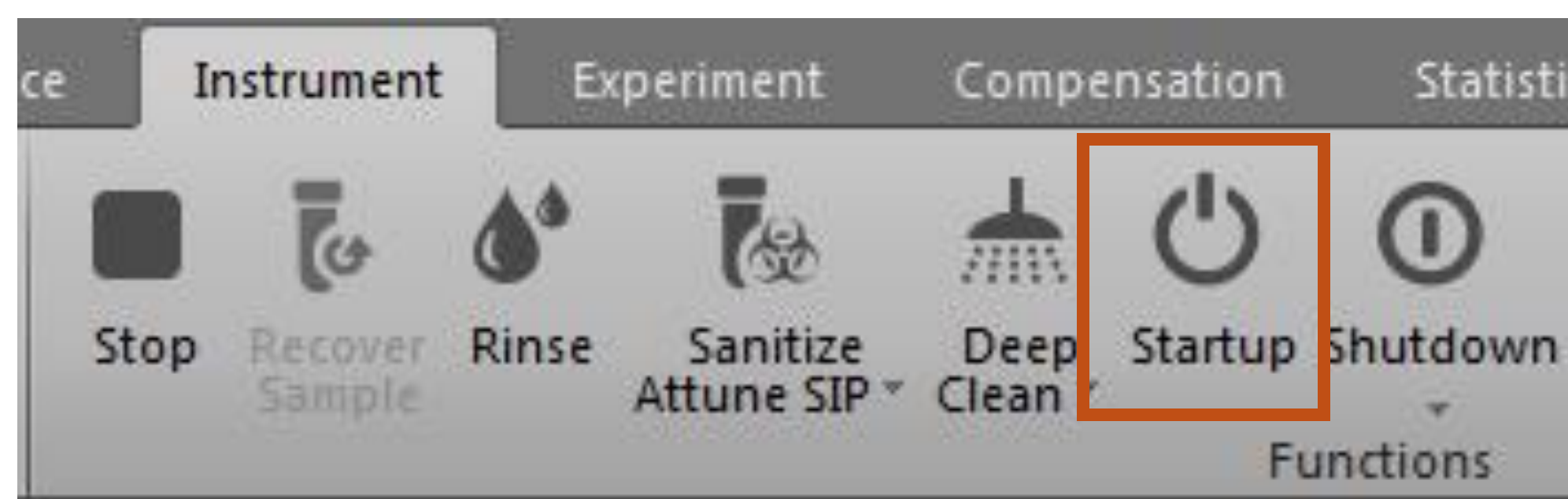


# Attune NxT Startup



1. Check that the Attune is in Shutdown mode indicated by Aqua light on Cytometer and blinking open/close button on the Auto sampler (see above)
2. Turn off the Auto sampler and the Cytometer using the power switches on the back of the instruments.
3. Turn the instruments back on. **Order matters:**
  - Turn on the Auto sampler – wait 1 minute
  - Turn on the Cytometer
4. Login to the workstation (ONYEN)
5. Open the Attune NxT Software (Username & password)
6. Run **Instrument > Startup**



# Attune NxT Performance Test



1. Select the **Performance Test** option from the home screen
2. Prepare beads (3 drops of Performance Tracking Beads & 2 mL Sheath fluid). Vortex well.
3. Load onto the cytometer and select Run Performance Test.
4. Assure that green check marks are found for all detectors in the Results column

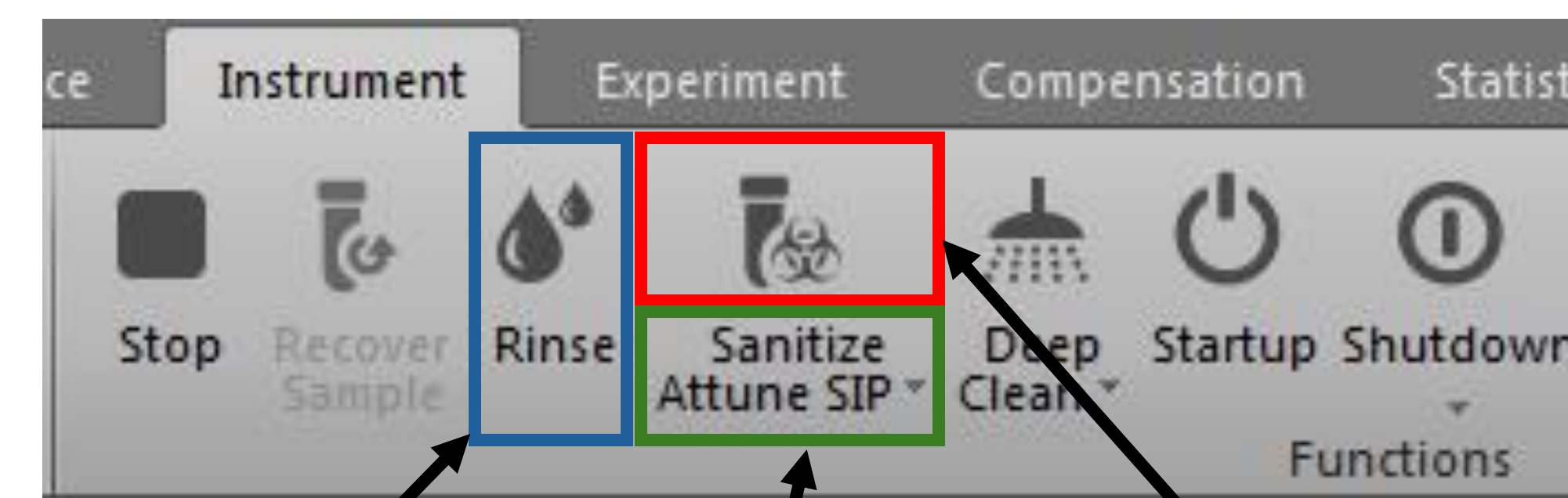
Performance Test Results

Performance test successful

Baseline: 1759476 - 5/15/2017

Channel	PMTV	Delta PMTV	Target MFI	MFI	Robust %CV	Qr	Background	Linearity	ASF	Laser Delay	Result
FSC	392	-3	300,000	301,050	2.06 %	0.000	0	0.000	1.16	1100	✓
SSC	317	0	300,000	291,061	3.69 %	0.000	0	0.000	1.16	1100	✓
BL1	411	0	300,000	298,114	1.12 %	0.054	88	1.000	1.16	1100	✓
BL2	320	0	300,000	294,485	1.01 %	0.061	217	1.000	1.16	1100	✓
BL3	407	0	300,000	294,941	1.69 %	0.047	21	1.000	1.16	1100	✓
RL1	332	0	300,000	297,494	3.57 %	0.096	51	0.998	1.11	1532	✓
RL2	376	0	300,000	299,756	3.39 %	0.012	241	0.996	1.11	1532	✓
RL3	407	1	300,000	299,453	3.68 %	0.050	111	0.998	1.11	1532	✓
VL1	295	0	300,000	303,768	0.90 %	0.025	2007	1.000	1.16	735	✓
VL2	317	0	300,000	299,708	1.05 %	0.026	432	0.998	1.16	735	✓
VL3	413	0	300,000	297,462	1.38 %	0.030	61	1.000	1.16	735	✓
VL4	400	0	300,000	295,815	2.22 %	0.007	105	0.993	1.16	735	✓
YL1	378	0	300,000	294,358	1.39 %	0.113	101	1.000	1.11	314	✓
YL2	368	0	300,000	297,190	1.55 %	0.081	28	1.000	1.11	314	✓
YL3	410	0	300,000	298,973	2.22 %	0.016	170	1.000	1.11	314	✓
YL4	470	1	300,000	302,265	2.73 %	0.006	186	1.000	1.11	314	✓

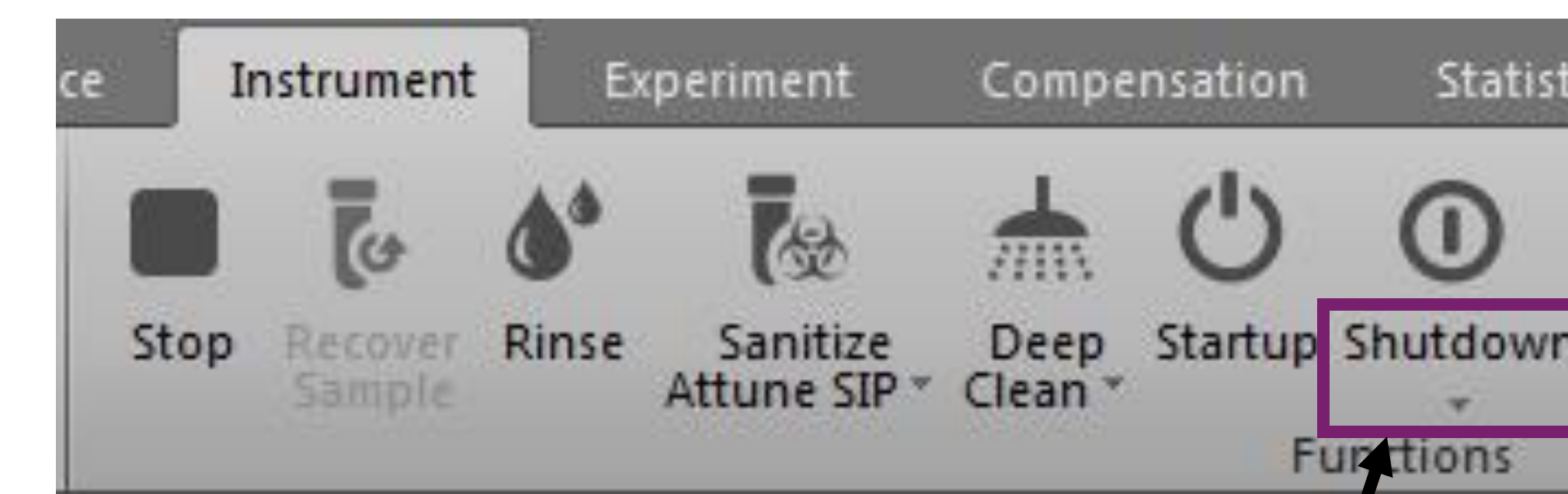
# Attune NxT Between User Cleaning



Post Cleaning Rinse      Autosampler Sanitize SIP      Cytometer Sanitize SIP

1. Empty the Flow Cell Clean tube and fill with 2 ml of Flow Cell Cleaning
2. On the Instrument menu, click **Sanitize Attune SIP** (use Flow Cell Clean instead of Bleach).
3. If the Autosampler was used, click on the **small triangle and select Auto sampler SIP**.
4. **Rinse instrument** when cleaning is completed. Do not leave cleaning solution on SIP.

# Attune NxT End of Day Shutdown



Shutdown Use Through

1. Navigate to the Instrument menu, select **Shutdown > Thorough**
2. Follow the onscreen instructions (use FACSClean in place of Bleach)
3. Once the protocol has started, you may log off the computer. Make sure the progress bar shows at least 3% completed before logging off. **Do not turn the instrument off.**