Refer to this sheet for QAS and Lateral QAS Tests on the Affirm® Breast Biopsy Guidance System. It does not replace the instructions in the Affirm System User Guide. Be sure to refer to the Affirm System User Guide for all warnings and cautions.

1.1 QAS Test

This test is required only once before the first case of the day. Please acknowledge all AWS prompts and messages when they appear prior to performing the next step.

1. Select the **Admin** button and then select the **QAS** button.
2. Remove the Compression Paddle.
3. Attach the QAS Phantom to the Device Mount on the Z-axis Slide Rail. If using the QAS Needle, extend the needle once attached.
4. Press and hold the **Motor Enable** buttons on the Biopsy Control Module to move the stage to the pre-programmed coordinates of 30/40/50.
5. Turn the Biopsy Device Advance/Retract Knob until the current line reads 30/40/50 and the differential line reads 0.0 for X, Y, and Z.
6. Select **Manual Exposure Mode** and set the technique as follows:
   - QAS Phantom Stereo Icon – Rh filter, 25 kV and 30 mAs
   - QAS Phantom Tomo Icon – Al filter, 30 kV and 30 mAs

     (If using the QAS Needle – 25 kV and 10 mAs)
7. **Acquire** exposure.
8. Click **Accept**.
9. Select **Create Target**. 
10. At the BCM, verify that the numbers on the differential line are within +/- 1.0mm.
11. Select the next unexposed icon.
12. Verify that the differential line on the BCM reads 0.0 for X, Y, and Z.
13. Repeat steps 6 through 12 for all unexposed icons.
14. Turn the **Biopsy Device Advance/Retract Knob** until the stage is at its most negative position.
15. Remove the QAS Phantom.
16. At the Acquisition Workstation, select **End QC**.



Note:
*If targets do not appear automatically after clicking on **Accept**, place target(s) manually. If the differential values are not within specifications:*

- *Confirm Current Target Line reads 30/40/50 for X/Y/Z*
- *Confirm QAS Phantom is mounted flush and snug on the Device Mount*
  Remove QAS Phantom and reinstall, if necessary
- *Perform QAS with the QAS Needle*
- *Call Hologic Customer Support*

600 Technology Drive, Newark, DE 19702 USA ● 1.800.447.1856
© 2025 Hologic, Inc. The information contained in this document is proprietary. Unauthorized distribution is prohibited.

Refer to this sheet for QAS and Lateral QAS Tests on the Affirm® Breast Biopsy Guidance System. It does not replace the instructions in the Affirm System User Guide. Be sure to refer to the Affirm System User Guide for all warnings and cautions.

1.2 Lateral QAS Test

If licensed for Lateral Arm, this test is required only once before the first case of the day. Please acknowledge all AWS prompts and messages when they appear prior to performing the next step.

1. Select the **Admin** button and then select the **Lateral QAS** button.
2. Remove the Compression Paddle and Needle Guide Holder.
3. Install the Lateral Arm Assembly and Lateral Arm QAS Phantom on the left side of the BGM.
4. Press and hold the Motor Enable buttons on the Biopsy Control Module to move the stage to the pre-programmed coordinates of -30/40/77.
5. Turn the Biopsy Device Advance/Retract Knob until the current line reads -30/40/77 and the differential line reads 0.0 for X, Y, and Z.
6. Move the Lateral Arm Carriage Assembly to the 100 location on the top scale of the Lateral Arm.
7. Select **Manual Exposure Mode** and set the technique as follows:
   - QAS Phantom Stereo Icon – Rh filter, 25 kV and 30 mAs
   - QAS Phantom Tomo Icon – Al filter, 30 kV and 30 mAs
8. **Acquire** exposure.
9. Click **Accept**.
10. Select **Create Target**. 
11. At the BCM, verify that the numbers on the differential line are within +/- 1.0mm and the Lat X reads 100.
12. Select the next unexposed icon.
13. Verify that the differential line on the BCM reads 0.0 for X, Y, and Z.
14. Repeat steps 7 through 13 for all unexposed left-side icons.
15. Install the Lateral Arm Assembly and Lateral QAS Phantom on the right side of the BGM.
16. Repeat steps 4 through 13 for the right-side icons using the target coordinates 30/40/77.
17. Remove the Lateral QAS Phantom.
18. Remove the Lateral Arm Assembly.
19. Turn the Biopsy Device Advance/Retract Knob until the stage is at its most negative position.
20. At the Acquisition Workstation, select **End QC**.



Note:
*If targets do not appear automatically after clicking on **Accept**, place target(s) manually. If the differential values are not within specifications:*

- *Confirm Current and Target Line read +/-30/40/77 for X/Y/Z and the Carriage is set at 100 on the top scale*
- *Confirm QAS Phantom is mounted flush and snug on the Device Mount*
  Remove QAS Phantom and reinstall, if necessary
- *Confirm Lateral Arm Assembly is installed correctly*
  Remove and reinstall components if necessary
- *Call Hologic Customer Support*

© 2025 Hologic, Inc. The information contained in this document is proprietary. Unauthorized distribution is prohibited.