

## Customer Technical Bulletin

**CTB-00719 Rev 002**

**Date:** January 20, 2021

**Author:** Service Engineering

**Product:** Selenia Dimensions/  
3Dimensions/Affirm Prone

**Subsystem:** X-Ray Tube

**Subject:** Hologic X-Ray Tube Seasoning Procedure for Selenia Dimensions,  
3Dimensions, and Affirm Prone Biopsy Systems

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### Revision History

Rev 002 – On page 7, corrected Affirm Prone Biopsy System Seasoning Technique header.

### Purpose

To provide information on performing Hologic's X-Ray Tube Seasoning Procedure on Selenia Dimensions, 3Dimensions, and Affirm Prone Biopsy Systems.

### Scope

This information applies to Selenia Dimensions, 3Dimensions, and Affirm Prone Biopsy systems.

### Discussion

The purpose of the seasoning procedure is to carefully raise the tube current and voltage to reduce any residual gas in the X-ray tube before the tube is operated at full output. This will help prolong the life of the X-ray tube and prevent tube arcing that can potentially cause irreversible damage to the X-ray tube.

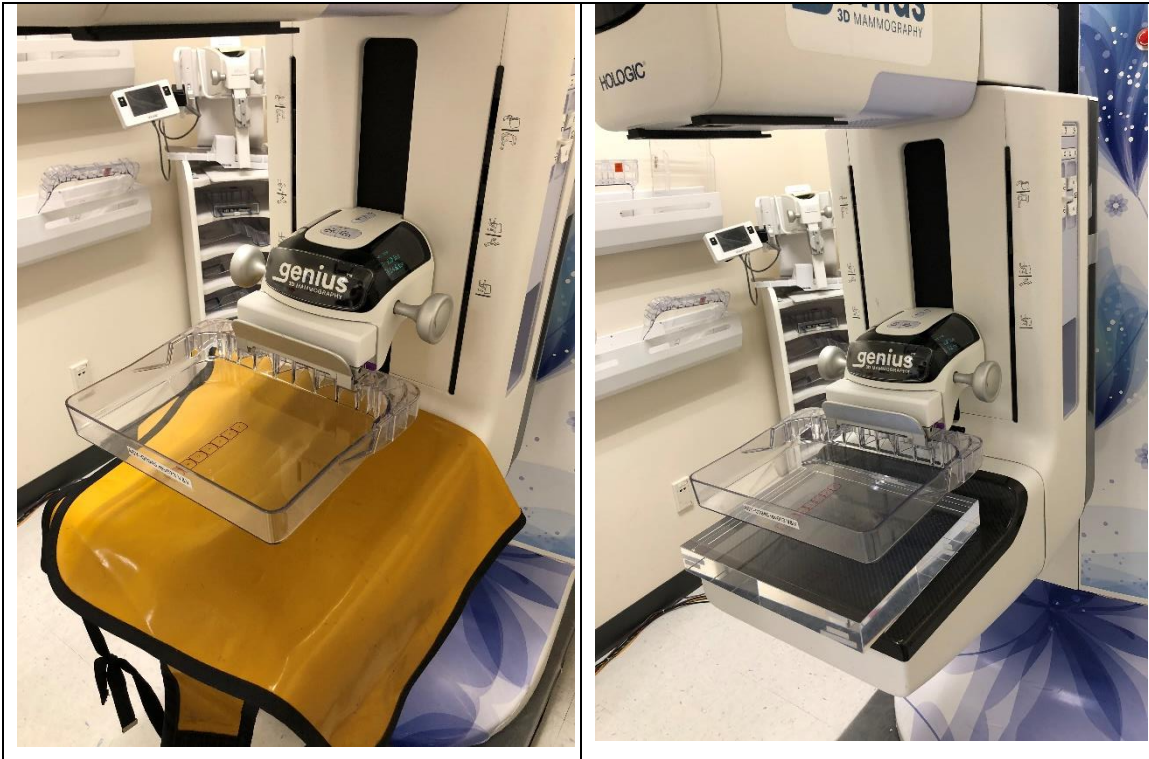
**This procedure is to be used only for Selenia Dimensions, 3Dimensions, and Affirm Prone Biopsy systems that have not been in use for six (6) months or more.**

# Customer Technical Bulletin (cont.)

## X-Ray Tube Seasoning Procedure for Selenia Dimensions/3Dimensions

1. For Selenia Dimensions and 3Dimensions systems, place a lead apron or lead sheet over the breast platform and ensure it is completely covered.

If a lead apron is not available, place the ASY-01621 Gain Calibration Phantom onto the breast platform.



## Customer Technical Bulletin (cont.)

- On the Selenia Dimensions, 3Dimensions, open the Capture Application and create a study with eight (8) Flat Field Conventional views and three (3) Zero Degree Tomo views from the QC Tab. (if Tomosynthesis is installed)

**Test, Seasoning: No Views**

Generator Tools Biopsy Contrast

**READY**

Patient Info  
Name: Test, Seasoning  
ID: 1234  
Date of Birth: 12/12/1980

Update Item  
Add Procedure  
Add View  
Edit View

Flat Field Conv

Image Status  
Accept  
Reject  
Pend

Conv Tomo

Acq Mode	AEC Mode	Focal Spot
[STANDARD]	Manual	LFS
	- +	- +

kVp	mAs	Filter
25	100	Rh
- +	- +	- +

AEC Sensor	AEC Comp.	Grid
[Auto]	[0]	In
		- +

Comp Release Manual  
Comp Mode Full  
Force 0.0 lbs  
Thickness 3.8 cm  
Stereo Mode Manual

Collimation 18x24 C

Paddle 18X24  
Mode Normal  
Position Center

Mag None

Output Groups  
investigational test

Output  
Archive / Export  
Print

Retrieve

Close Patient

No Views

Flat Field Conv Flat Field Conv Flat Field Conv Flat Field Conv Flat Field Conv Flat Field Conv Flat Field Conv Flat Field Conv

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## Customer Technical Bulletin (cont.)

3. On the Capture Application, make manual x-ray exposures using the chart below. **Wait 30 seconds between each exposure before continuing.**

X-Ray Tube Seasoning Techniques for Selenia Dimensions/3Dimensions		
kVp	mAs	Wait Time Between Exposures
25	100	30
25	100	30
25	240	30
25	240	30
30	240	30
30	240	30
35	240	30
35	240	30
40*	120	30
45*	100	30
49*	100	30

\*if Tomosynthesis is available

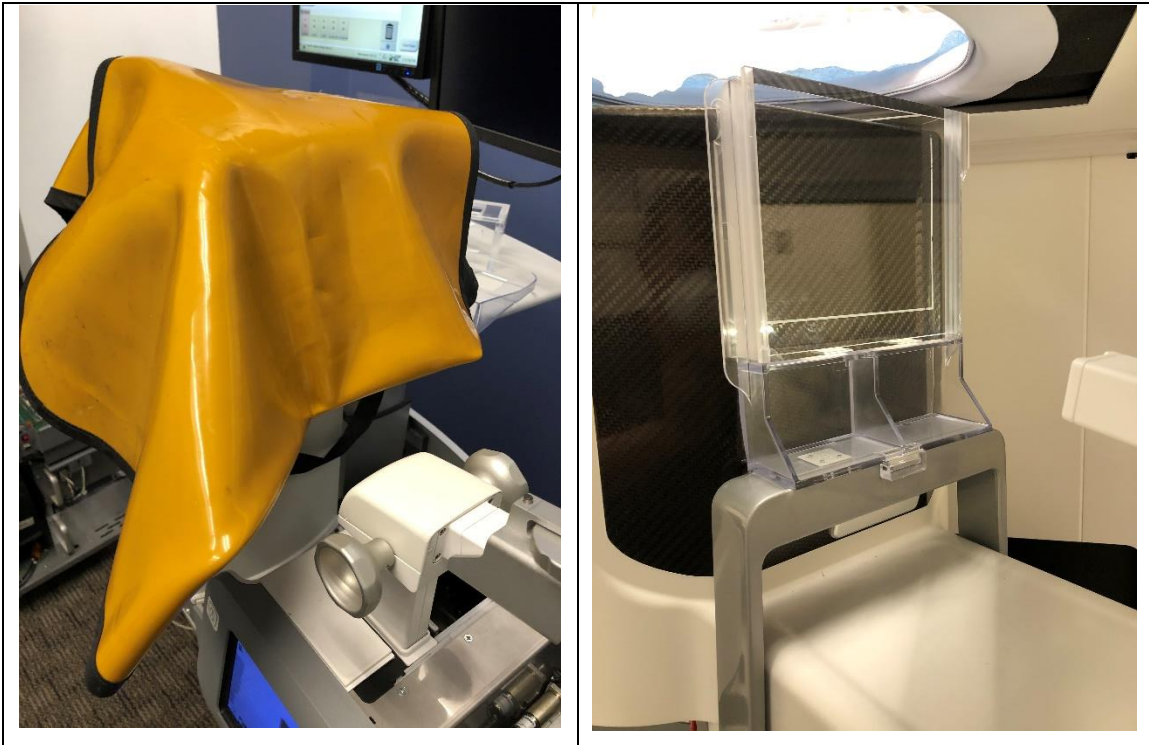
4. Allow the x-ray tube to cool for 30 minutes before proceeding with the standard QC procedures outlined in the Hologic Quality Control manual.

# Customer Technical Bulletin (cont.)

## X-Ray Tube Seasoning Procedure for Affirm Prone Biopsy System

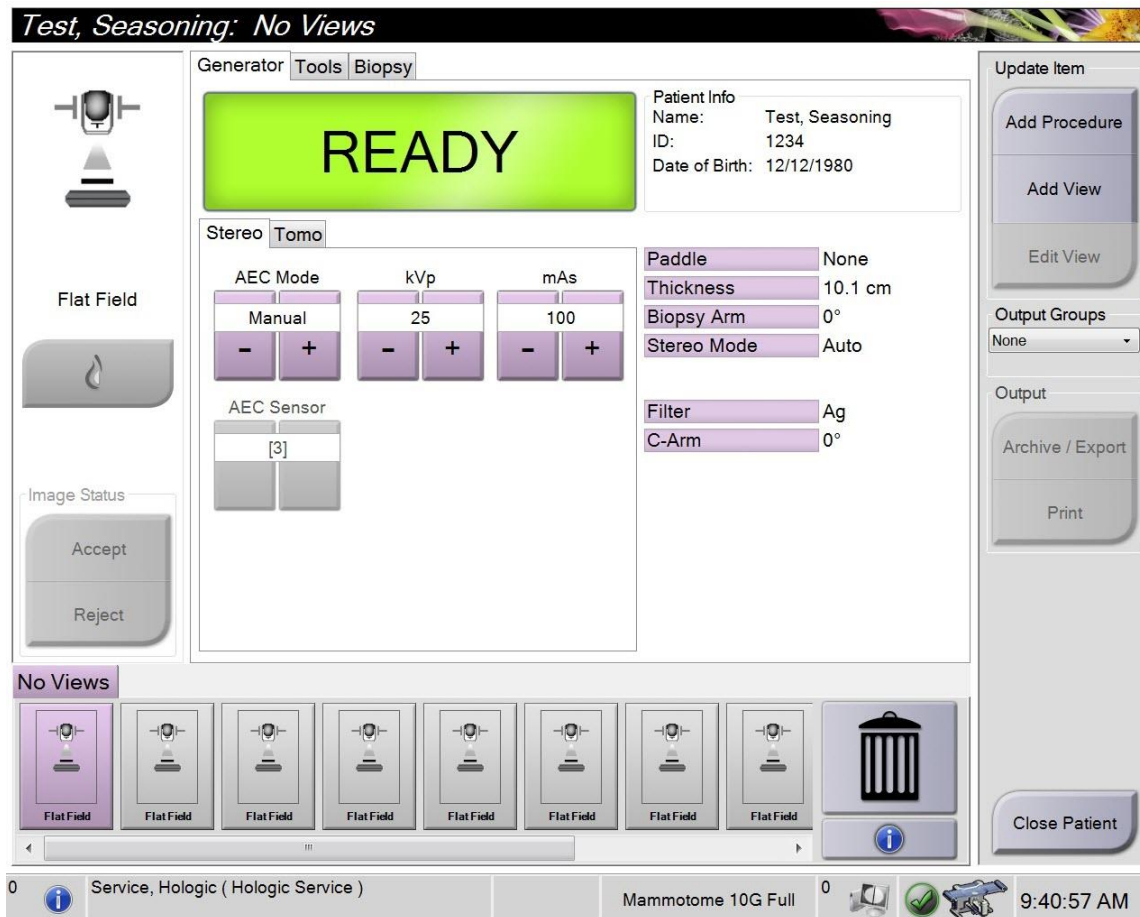
1. For the Affirm Prone Biopsy System, place a lead apron over the tube head and ensure it is completely covered.

If a lead apron is not available, install the ASY-09444 Gain Calibration Phantom.



# Customer Technical Bulletin (cont.)

2. On the Affirm Prone Biopsy System, open the Capture Application and create a study with eight (8) Flat Field Conventional views and three (3) Zero Degree Tomo views from the QC Tab. (if Tomosynthesis is installed)



## Customer Technical Bulletin (cont.)

3. On the Capture Application, make manual x-ray exposures using the chart below. **Wait 30 seconds between each exposure before continuing.**

X-Ray Tube Seasoning Techniques for Affirm Prone Biopsy System		
kVp	mAs	Wait Time Between Exposures
25	100	30
25	100	30
25	250	30
25	250	30
30	250	30
30	250	30
35	250	30
35	250	30
40*	178.5	30
45*	157.5	30
49*	147	30

\*if Tomosynthesis is available

4. Allow the x-ray tube to cool for 30 minutes before proceeding with the standard QC procedures outlined in the Affirm Prone Biopsy System User Guide.