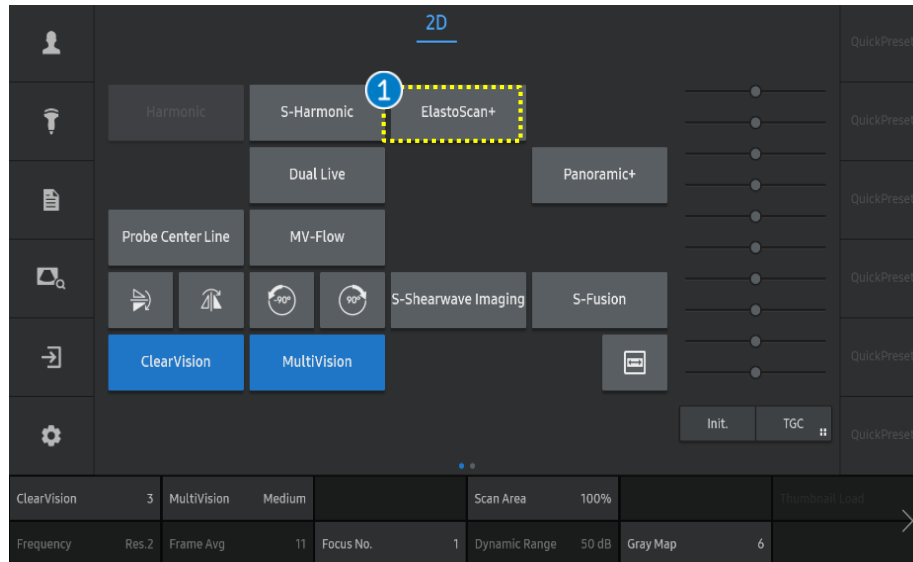


E-Strain™

RS85 Prestige Quick Guide

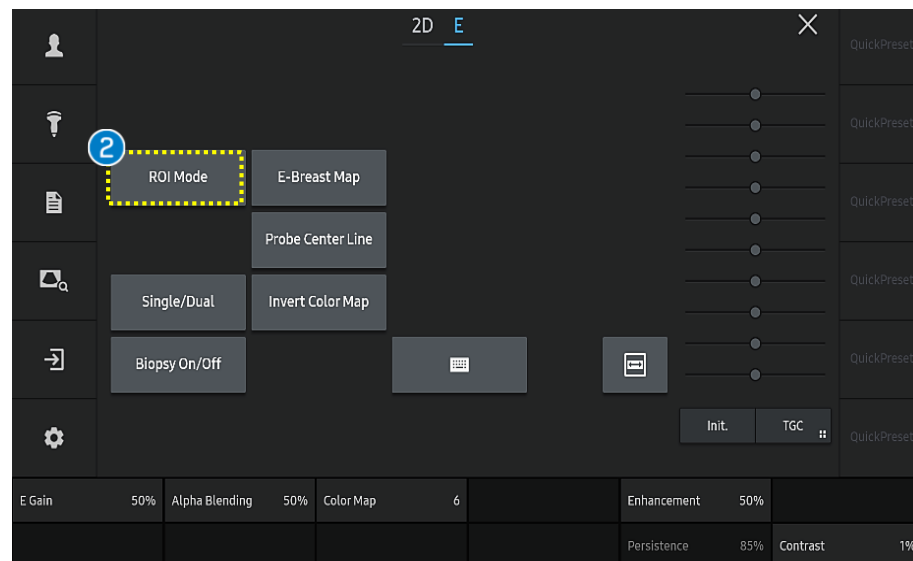


1. Start to E-Strain(1)



1 Elastoscan+

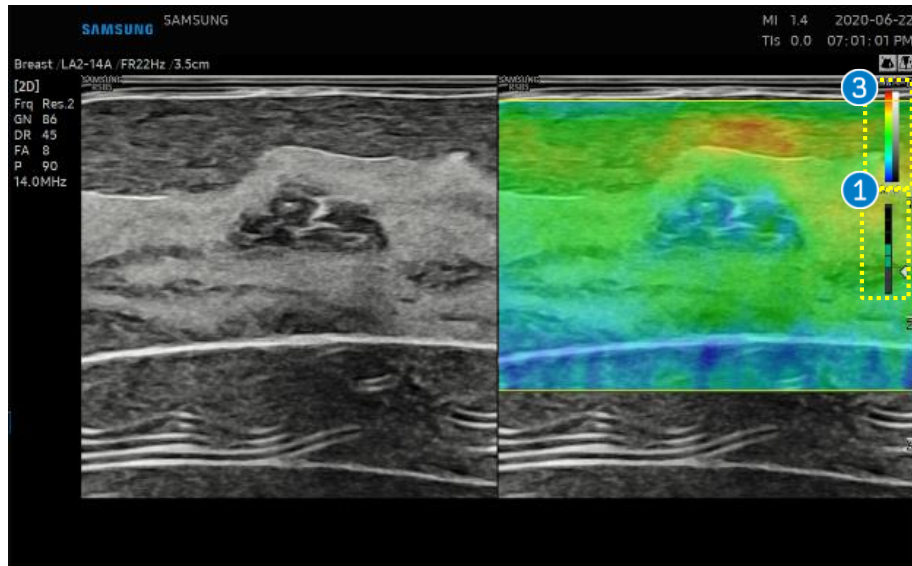
Tap the [ElastoScan+] button on the touch screen to start the E-Strain™.



2 ROI mode

When using the E-Strain™, you can select the [ROI Mode] on or off depending on the area of interest.

2. Start to E-Strain(2)



1 Compression guide bar

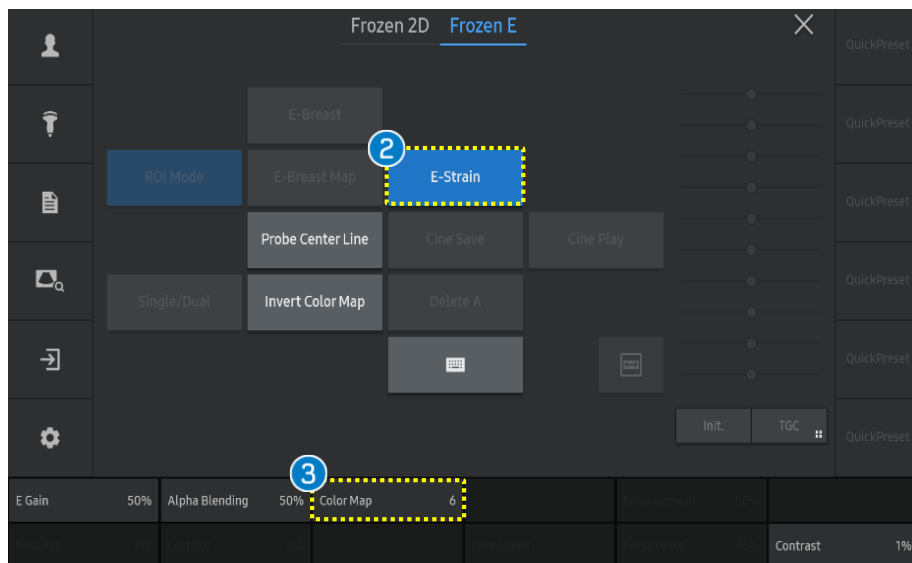
Use gentle compressions with the probe while imaging the breast.
Capture the image when compression guide bar is between Level 3 and 5 (indicates proper compression speeds).

2 E-Strain

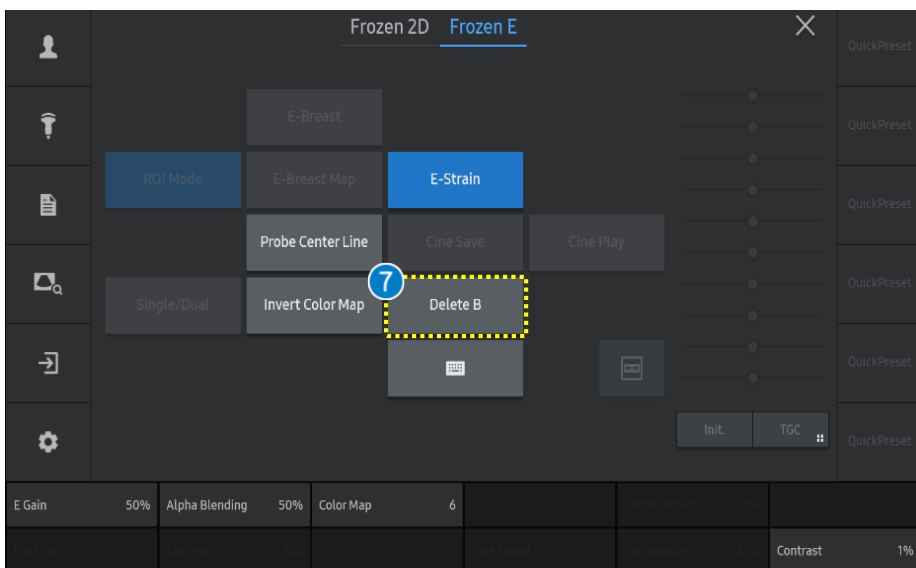
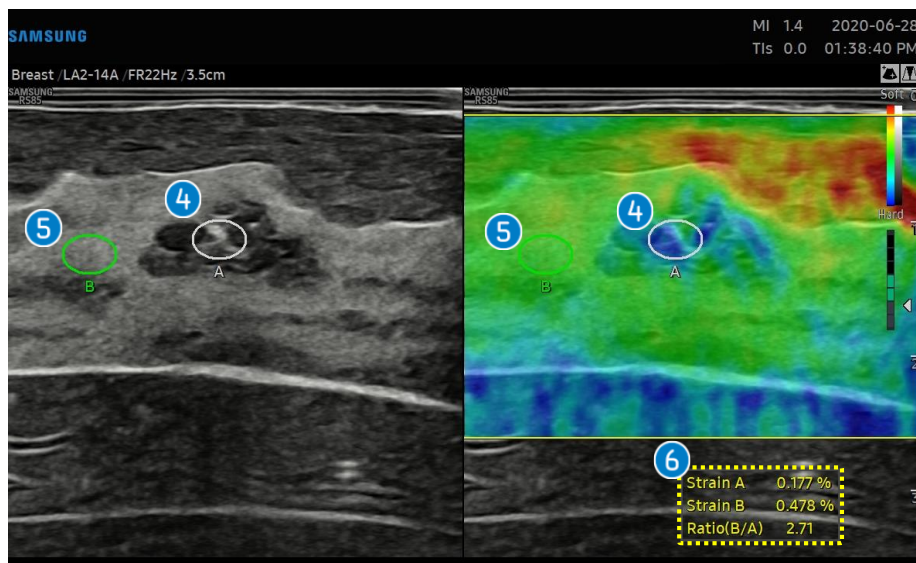
After the image is frozen, the [E-Strain] button appears on the touch screen.
Tap the [E-Strain] button to measure the elasticity value (strain ratio).

3 Elastoscan color bar

It represents stiffness of tissues. The color map can be changed using the [Color map] button.



2. Start E-Strain™ (3)



4 ROI A

Place the ROI over the lesion on the 2D image and press the [Set] button.

If necessary, adjust the position and size of the ROI circle using the trackball before pressing the [Set] button.

5 ROI B

Next, place ROI B on the reference area (when imaging the breast, it should be placed on fatty breast tissue) and press the [Set] button.

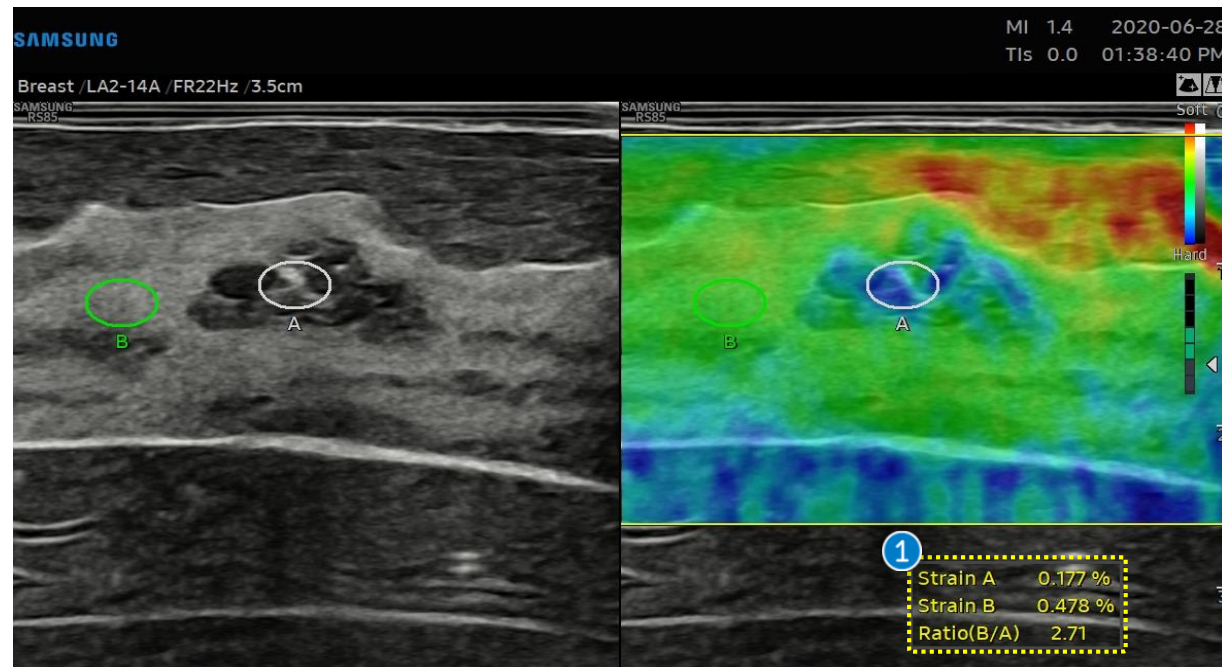
6 Result

The Strain A, Strain B, and Ratio (B/A) results are shown on the bottom right of display monitor.
⊗ The displayed results may vary according to the regulatory approval status of each country.

7 [Delete A] or [Delete B]

If you want to delete A or B ROI, select the [Delete A] or the [Delete B] button on the touch screen.

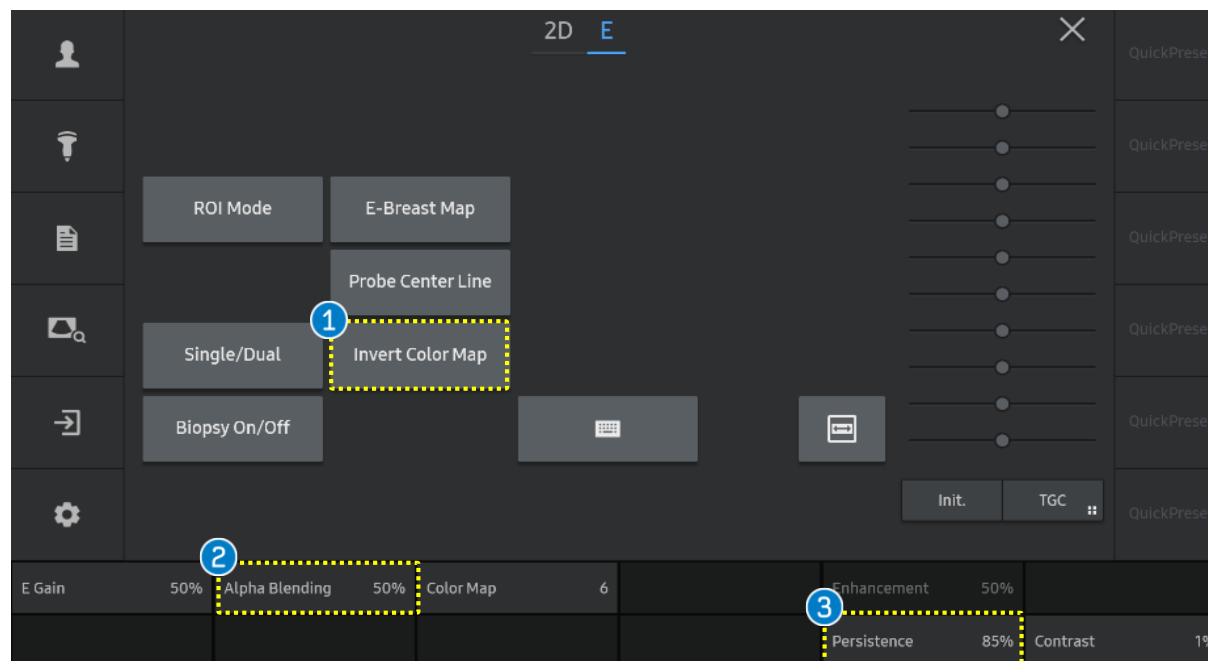
3. Results of E-Strain™



① Results

- Strain A: Mean strain value inside the ROI A (not supported in the USA and Canada).
- Strain B: Mean strain value inside the ROI B (not supported in the USA and Canada).
- Ratio(B/A): Ratio of Strain values (Strain B/Strain A) (not supported in Europe, China and Japan).

4. Adjust parameters



1 Invert Color Map

To reverse the color map, tap the [Invert Color Map] button on the touch screen.

2 Alpha Blending

This feature superimposes the E-mode image over the 2D image.

Setting it to 0% shows an E image only, and setting it to 100% shows a 2D image only.

3 Persistence

The feature controls the E-Strain frame average.

Changes in persistence level will affect the strain value due to the change in the number of frames being averaged.

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- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, for more detail, please refer to RS85 User Manual.
- Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This User Quick Guide is based on RS85 V2.08.
- Disclaimer: Some Images in this content were obtained from other system.

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