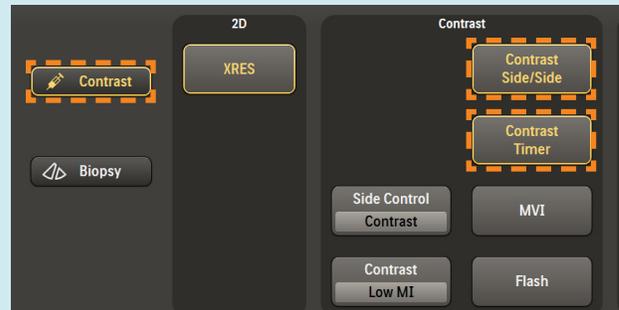


EPIQ Elite Release 4.0

Contrast Enhanced Ultrasound

Performing an exam

1. Select the preferred transducer and TSP (Tissue Specific Preset).
2. Press **Contrast** on the touch screen.
3. (Optional) Press **Contrast Side/Side** to scan in side-by-side mode.
4. Press **Contrast Timer** on the touch screen when the contrast agent is injected.
5. (Optional) Acquire loops.
6. Press Contrast on the touch screen or the 2D button on the control panel to exit Contrast mode.



Tips:

- To stop a loop acquisition before the designated loop length, press the loop acquisition button again. Note that this may be Acquire 1 or Acquire 2 depending on how the system is configured.
- The Loop Length defaults to 3 minutes while in Contrast mode, however, in some cases the loop will be shorter due to the loop size specified in Setups.
- Flash and MVI capabilities are also available in Contrast mode. For example, Flash Power can be increased on the second page of the touch screen. See the product manual for more information.
- The R1 Res/Spd setting can be used to increase penetration with the C5-1 transducer.
- Use the rotaries to adjust the settings on the first and second page of the touch screen. Please note that some functionalities are not available while acquiring a loop, such as Contrast Opt (CRes, CGen, CPen). Changing the depth setting during a loop acquisition will stop acquisition.

New in Release 4.0

- nSIGHT Imaging is now active in Contrast mode, enabling higher frame rates, higher signal-to-noise ratio, improved penetration and longer bubble lasting times.
- Advanced XRES Image Processing and new Chroma Maps provide improved tissue cancellation.
 - There are 5 new Chroma Maps in Release 4.0 and the default Chroma Map is set to map 7 by default.
- xMATRIX X6-1 provides access to 3D/4D CEUS.
- Addition of duplicating caliper in side-by-side mode (contrast low-MI and fundamental b-mode).

XRES 1	Res/Spd			Loop Type Time	Sector Width
Cont. Opt CGen	Dyn Range 60	Output Power -30.0 db	Flash Frames 5	Loop Length 3 min	

Contrast rotaries, page 1

Gray Map 3	Chroma Map 7	Flash Power -0.50		Output Power -30.0 db	Persistence Med
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Contrast rotaries, page 2

Contrast Enhanced Ultrasound

Quantifying Contrast loops with ROI in QLAB

Contrast loops can be quantified with ROI in QLAB either on or off-cart. For more information on using off-cart QLAB, please refer to the QLAB product manual.

1. Press Review on the touch screen and choose the preferred contrast loop.
2. Press ROI on the touch screen.
3. Use the ROI Quantification curve types (Freeform Spline, Rectangle, Auto Area, Square 5mm) to outline the preferred region(s) of interest.

Tip: When using Auto Curve Fit on multiple ROIs, make sure the curve type is the same.

4. Click Report in the left panel to open a detailed report for each ROI placed.



Please consult the user manual for further information.

