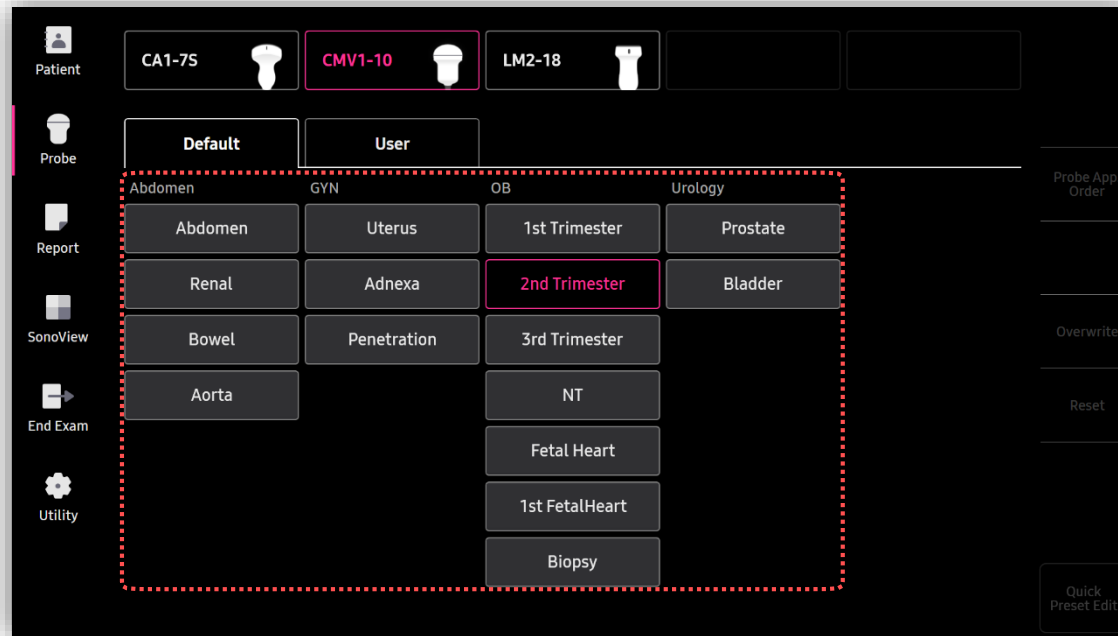


LumiFlow™

HERA Z20 Quick Guide



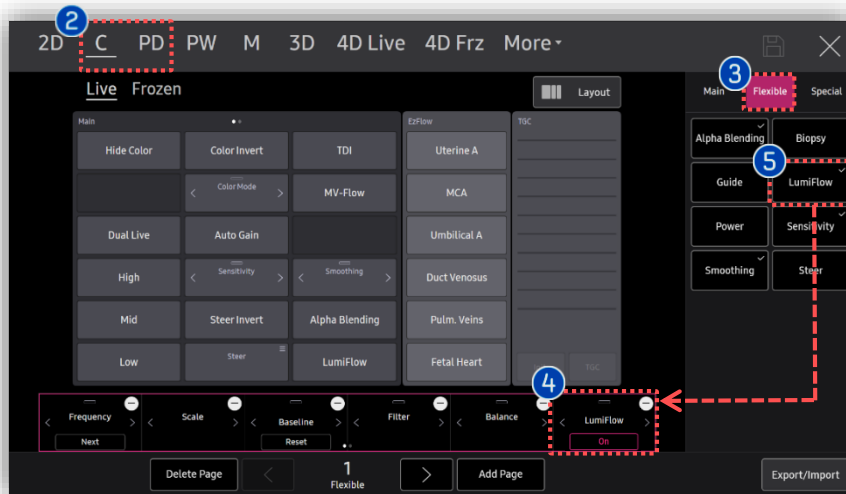
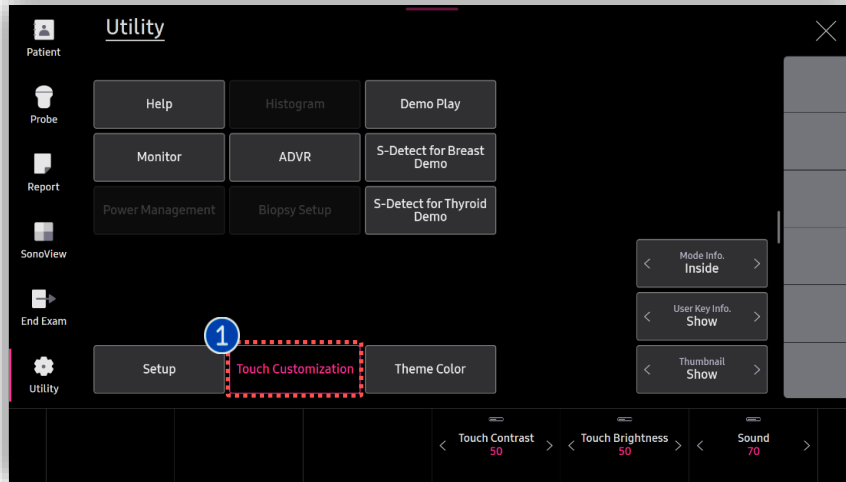
1. Probe and Preset



※ LumiFlow™ is supported in all of the probes and presets.

Probe	Application
All Probes	All Presets

2. Touch Customize for LumiFlow™

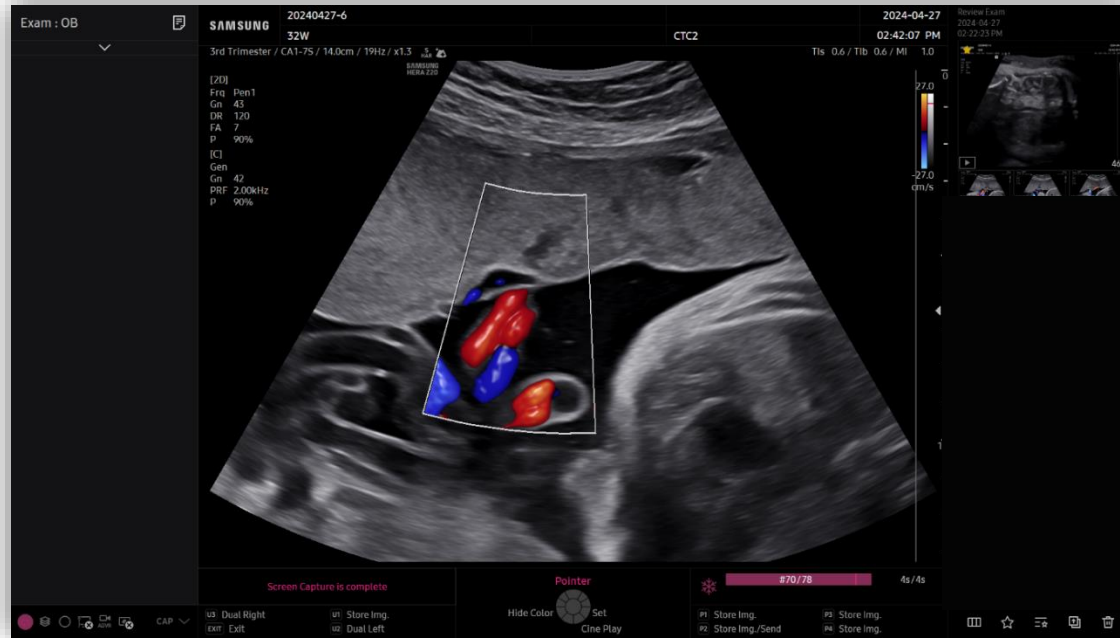


① Touch Customize	Go into the [Setup] page and Tab the [Touch Customize] button.
② Select Image mode	Select each Doppler mode. (C/PD/MV-Flow)
③ Flexible Menu	Tab the [Flexible menu] to customize the button arrangement on the flexible menu.
④ Arrange the Flexible menu	In order to locate the [LumiFlow] button on the 1 st page of flexible menu, make a room on it by deleting one of parameters.
⑤ Locate the LumiFlow	Locate the [LumiFlow] button on the 1 st page of touch screen so that user can frequently activate it on Doppler mode.

★ Tips

Since LumiFlow can be activated on the both Live and Frozen status, it's recommended to perform the "Touch Customize" job on the both modes.

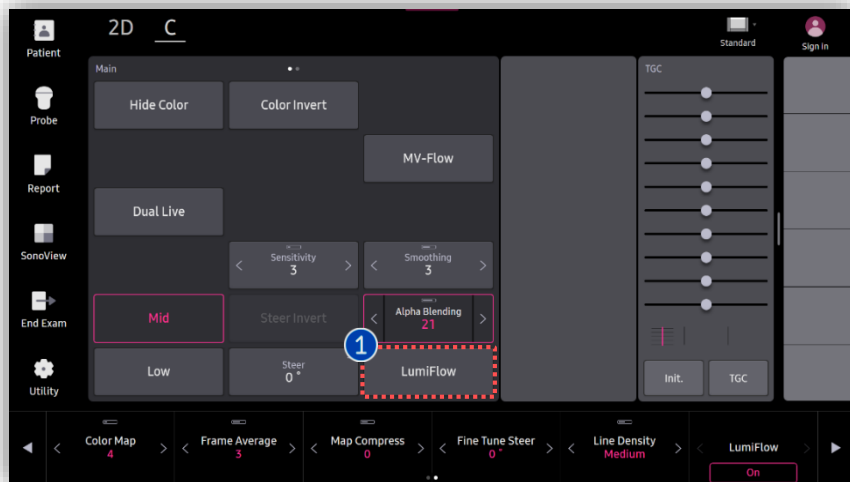
3. Flow Image acquisition



1 Flow Image acquisition

Acquire a flow image with the structure you wish to apply LumiFlow.

4. Apply LumiFlow™



LumiFlow provides a 3D-like appearance to all of flow imaging mode. By applying the LumiFlow mode, it can help you to easily observe the hemodynamic flow within the vascular structure.

1 LumiFlow

Tab [LumiFlow] button on the touch screen to apply the LumiFlow mode on the frozen image and live scan.

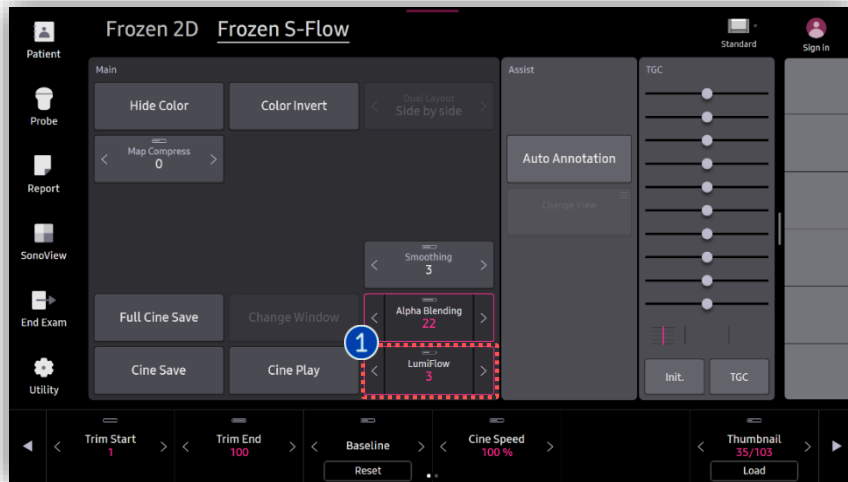


[S-Flow]



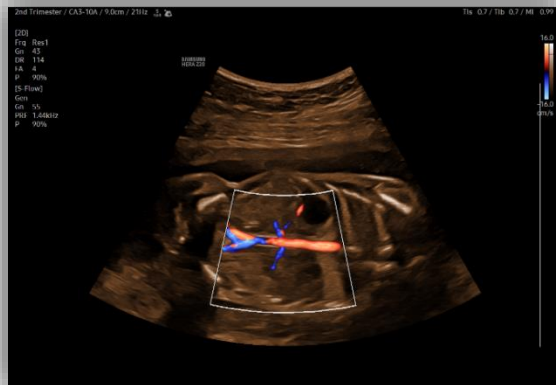
[After applying the LumiFlow on S-Flow]

5. Each Flow mode with LumiFlow™



- 1 Each Flow mode with LumiFlow

LumiFlow is applicable to each flow imaging mode to provide a volumetric visualization effect on it. Also, LumiFlow is available on both the Live mode and Frozen mode.



[Color Doppler with LumiFlow]

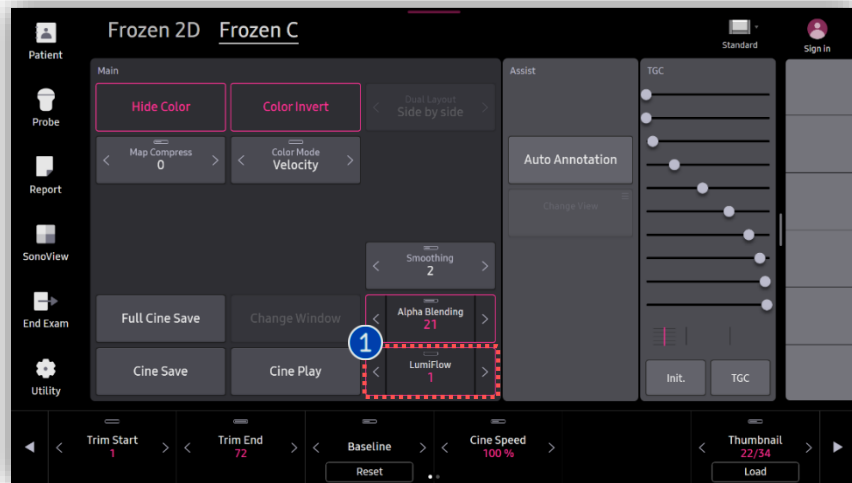


[S-Flow with LumiFlow]



[MV-Flow with LumiFlow]

6. Adjust the Index of LumiFlow™



1 Adjust Index (1-5)

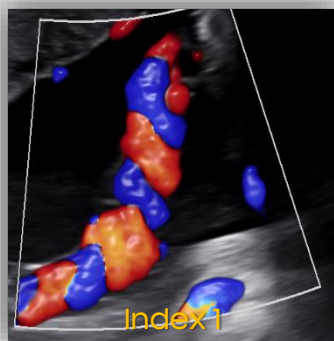
You can adjust the index value depending on the vessel size and characteristics.

Low Index (1-2)

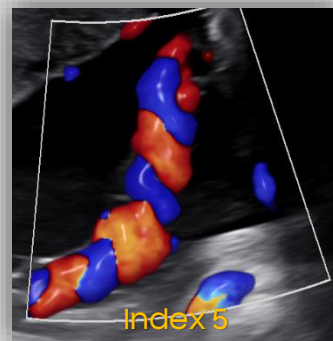
The lower index value is more appropriate for imaging the tiny vessels due to its more detailed expression.

High Index (3-5)

The higher index value is more appropriate for imaging the relatively large vessels and heart chambers due to its smoother expression.

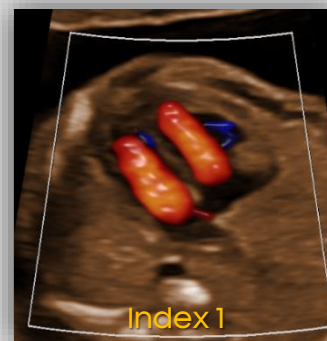


Index 1

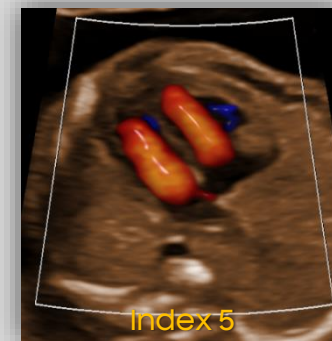


Index 5

[Umbilical Cord]



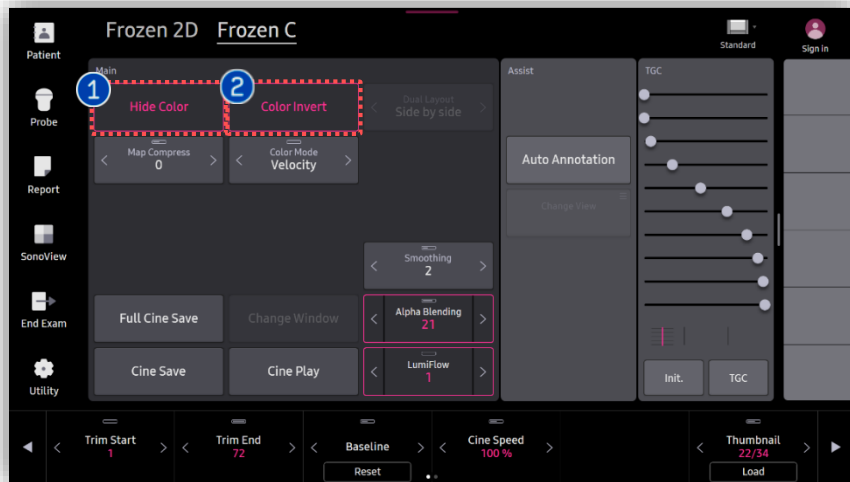
Index 1



Index 5

[Fetal Heart]

7. Display LumiFlow™

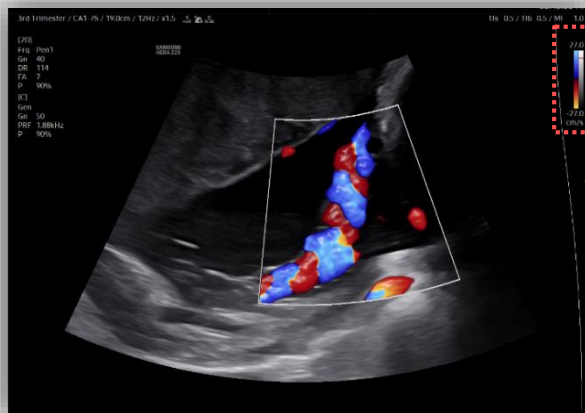


1 Color Invert

As you tab [Color Invert] button on the touch screen, the color bar is inverted, which also inverts the displayed color image.

2 Color off

Color images are not displayed so that you can observe the background grayscale image without overlaid color display.



[Color Invert]



[Color Off]

- The features mentioned in this document may not be commercially available in all countries. Due to regulatory reasons, their future availability cannot be guaranteed.
- Do not distribute this internal document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This product is a medical device, please read the user manual carefully before use.
- This document is provided to help you understand the feature.
- This User Quick Guide is based on HERA Z20 V1.00
- Disclaimer: Some Images in this content were obtained from other system.

SAMSUNG MEDISON CO., LTD.

© 2024 Samsung Medison All Rights Reserved.

Samsung Medison reserves the right to modify the design, packaging, specifications, and features shown herein, without prior notice or obligation.