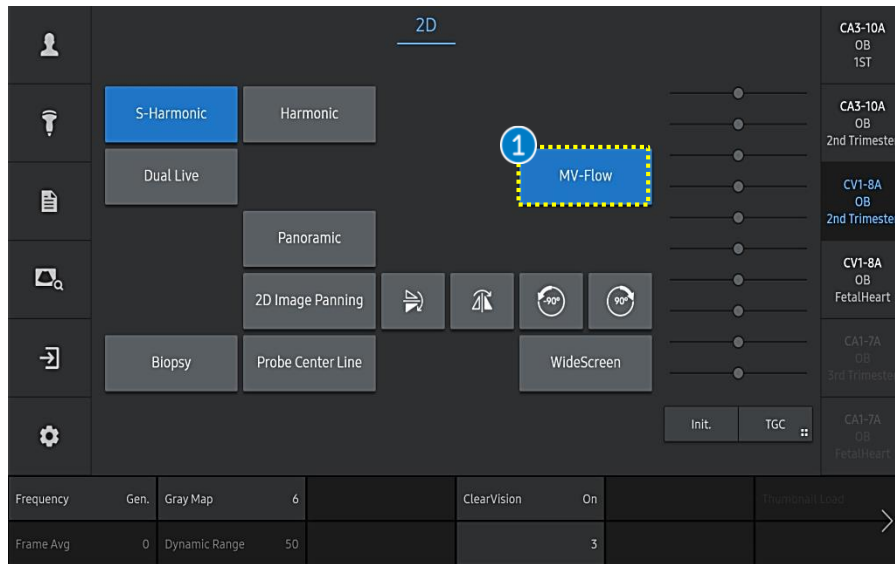


MV-Flow™

RS85 Prestige Quick Guide



1. Activate MV-Flow



1 MV-Flow

Tap the [MV-Flow] button on the touch screen to activate the MV-Flow mode.

2 ROI Box

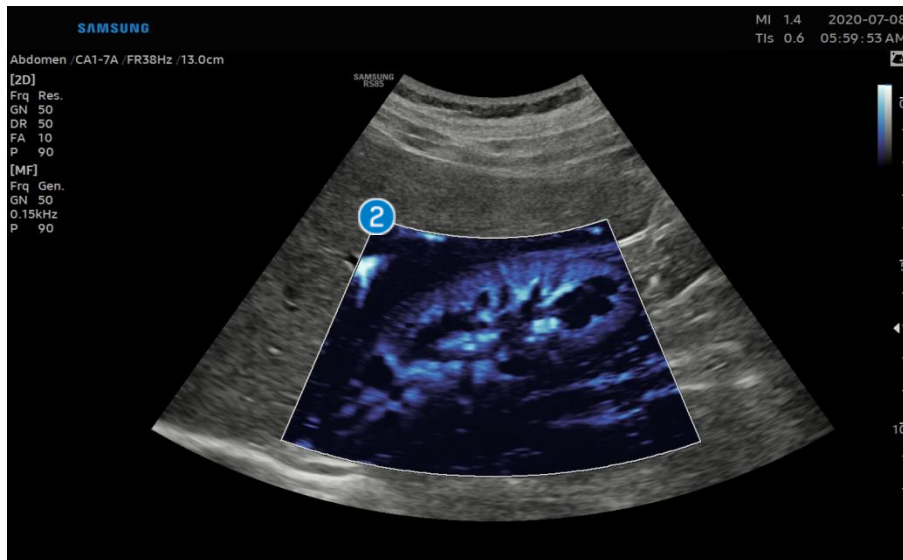
Place the ROI box on the area where you want to observe the vascularity.

3 ROI Position & ROI Size

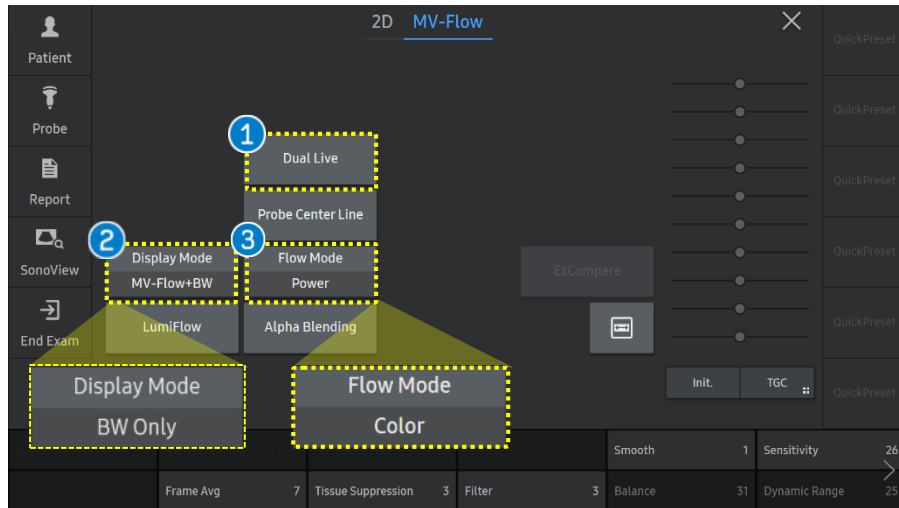
Adjust the position and size of the ROI box using the [Set], the [Change] button and trackball on the control panel.

4 MV-Flow Gain

Adjust the MV-Flow gain with [Color] dial-button on the control panel.

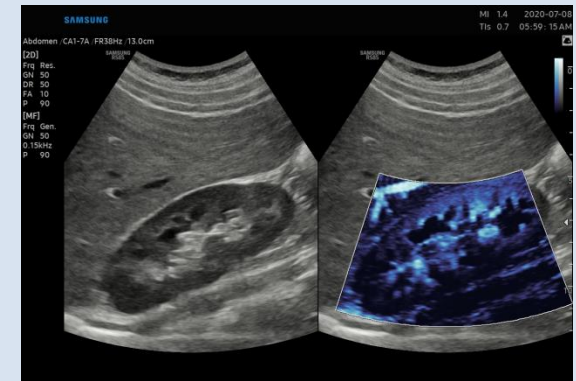


2. Display mode in MV-Flow™



BW and MV-Flow mode are simultaneously displayed in dual mode side by side.

1 Dual Live



2 Display Mode

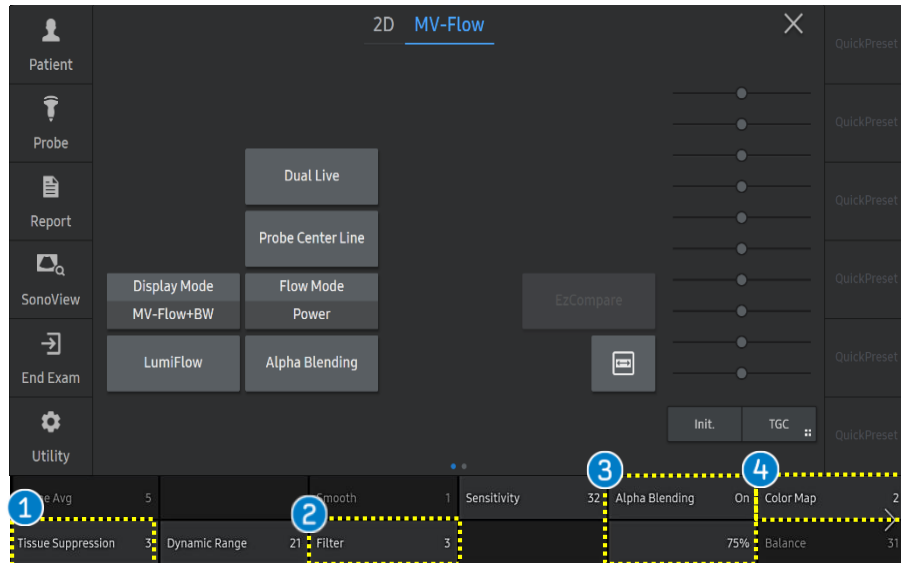
It can be switched to the below mode.

- **MV-Flow+BW** : Displays both MV-Flow image and BW image simultaneously.
- **BW Only** : Displays only BW image without MV-Flow image.

3 Flow Mode

- **Power**: Provides sensitivity and resolution suitable for the micro-blood flow observations.
- **Color**: Directional power mode. It mitigates the noise around the micro-blood flow.

3. MV-Flow™ parameters



[Color map]

1 Tissue Suppression

It reduces strong signal from the tissue which appears as hyperechoic signal. The higher index value is, the more noise from the tissue are removed.

2 Filter

It can suppress the flash artifact produced by blood vessel wall movement. The higher index value removes the more flash artifact.

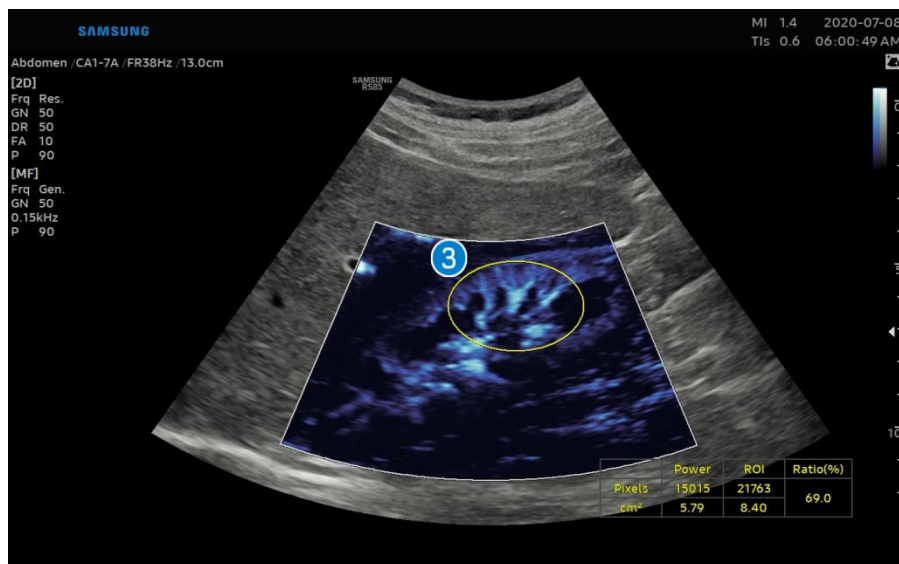
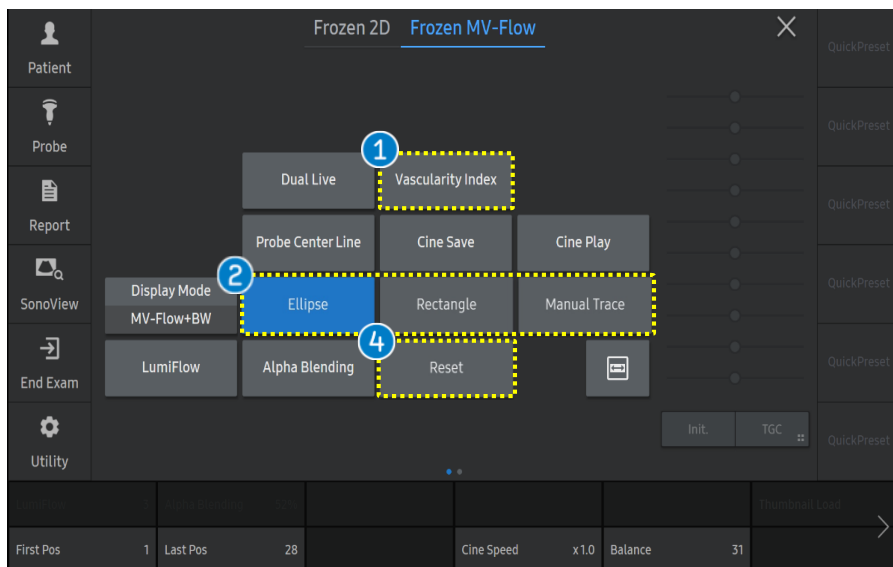
3 Alpha Blending

It can be adjusted the blending ratio between 2D and MV-Flow. The higher index value eliminates the background signal more.

4 Color Map

Select a color map of MV-Flow on user's preference.

4. Vascularity Index in MV-Flow™ (1)



1 Vascularity Index

On the frozen MV-Flow image, Tap the [Vascularity Index] button on the touch screen.

2 VI ROI Type

Select the type of VI ROI among Ellipse, Rectangle and Manual Trace.
(*VI : Vascularity Index)

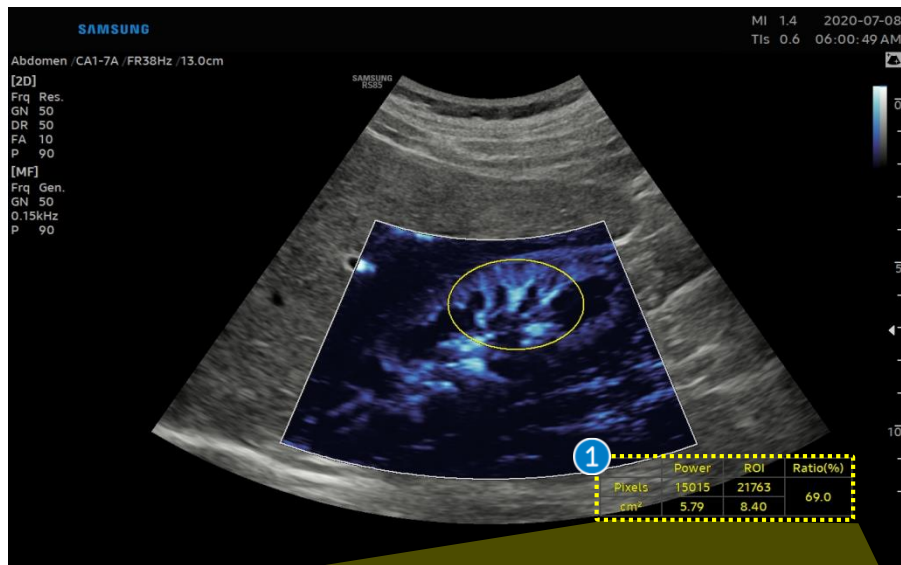
3 Set VI ROI

Place the VI ROI on the region of interest and press the [Change] button to adjust the size of VI ROI.

4 Reset

Tap the [Reset] on the touch screen to restart drawing a ROI.

4. Vascularity Index in MV-Flow™ (2)



	Power	ROI	Ratio(%)
a Pixels	15015	21763	69.0
b cm ²	5.79	8.40	

1 Result

After the ROI is placed on the region of interest, the result box will come up at the bottom right.

a Pixels

- **Power** : The number of pixels of blood flow within VI (Vascularity Index) ROI
- **ROI** : Total number of pixels in VI ROI

b Area

- **Power** : Area of blood flow within VI ROI
- **ROI** : Area of VI ROI

c Ratio

Ratio of total pixels to the MV-Flow pixels in VI ROI

- 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 V2.08.01
- Disclaimer: Some Images in this content were obtained from other system.

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