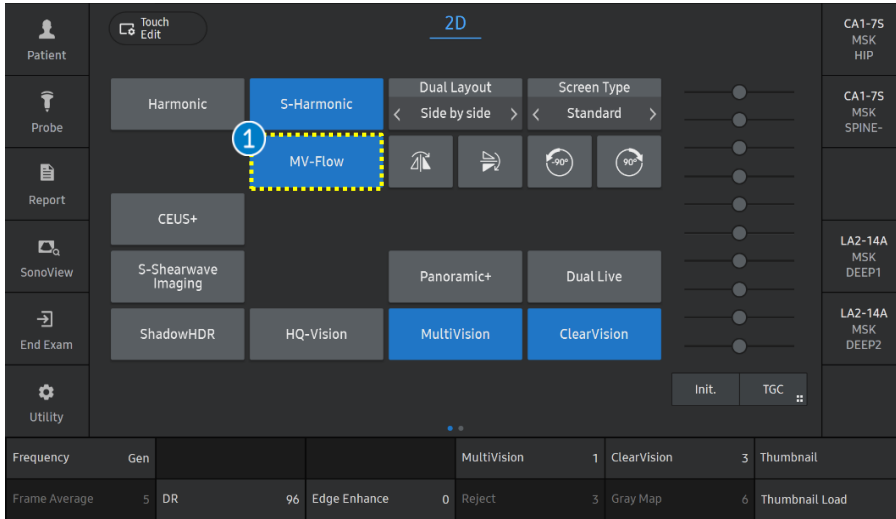


## MV-FLOW™

### V series 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.

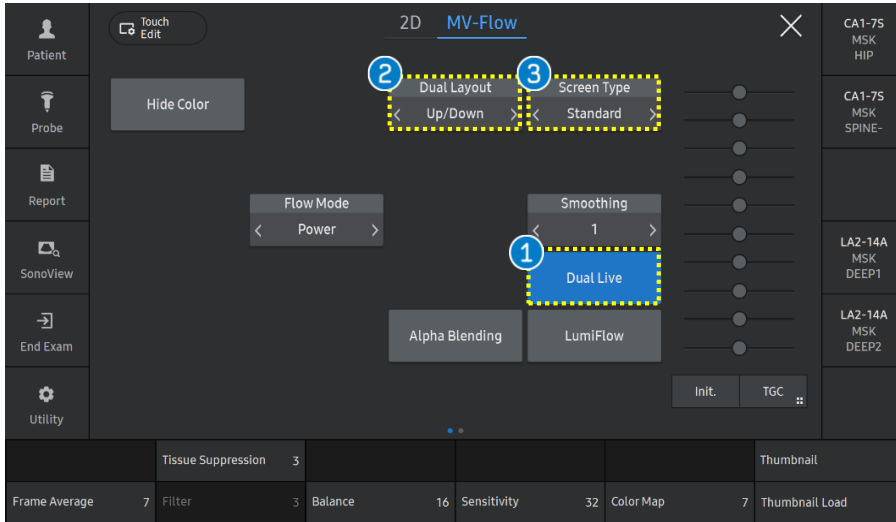
## 3 ROI Position & ROI Size

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

## 4 MV-Flow Gain

Adjust the MV-Flow gain with [PD] knob on the control panel. The [PD] knob is used to adjust both Power Doppler and MV-Flow gain.

## 2. Display mode in MV-Flow™



### 1 Dual Live

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

### 2 Dual Layout

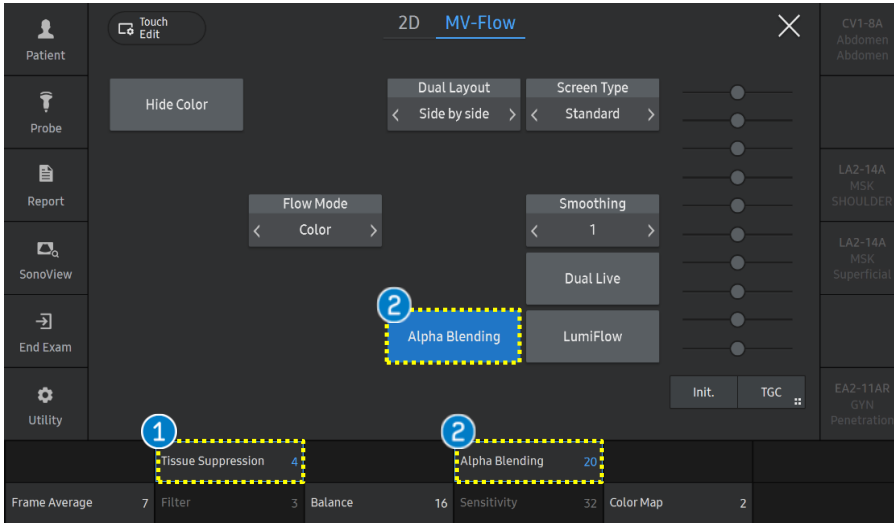
It can be switched to the modes below.

- **Up/Down** : It will be displayed as Up/Down layout.
- **Side by Side** : It will be displayed as side by side layout.

### 3 Screen Type

You can select the Screen Type among Standard, Wide, Large and Full Type.

### 3. Select the Candidate and Edit (1)



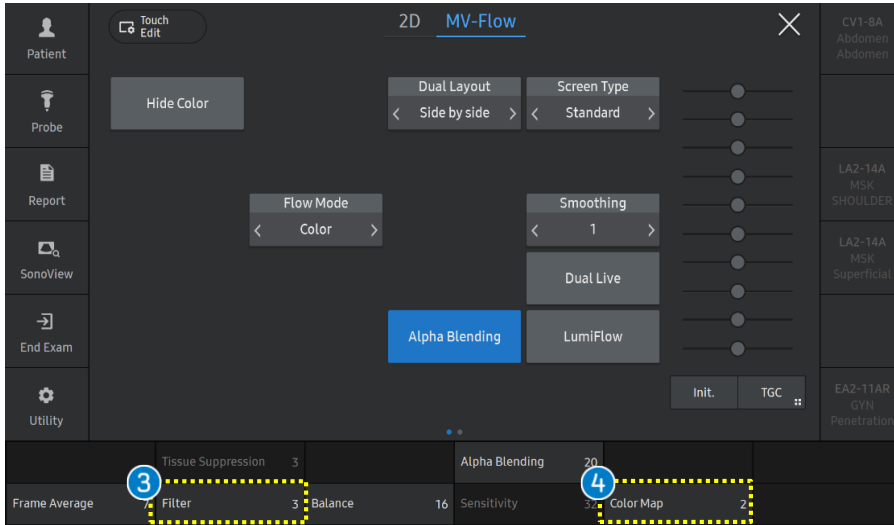
#### 1 Tissue Suppression

It reduces strong signal from the tissue which appears hyperechoic and helps to detect only micro vascular flow. It can be adjusted with 5 indices. The higher index value means more noise from the tissue will be removed. If the value is set too high, the real micro vascular flow can be reduced.

#### 2 Alpha Blending

MV-Flow signals are overlaid on 2D grayscale images. You can adjust the blending ratio between 2D and MV-Flow. It can be adjusted by setting the percentile. When you increase the index value or turn it off, it eliminates the background signals to only focus on the visualization of the vascular structures.

## 3. Select the Candidate and Edit (2)



### 3 Filter

It filters out low-frequency Doppler signals produced by blood vessel wall movement by suppressing the flash artifact.

It can be adjusted with 5 indices.

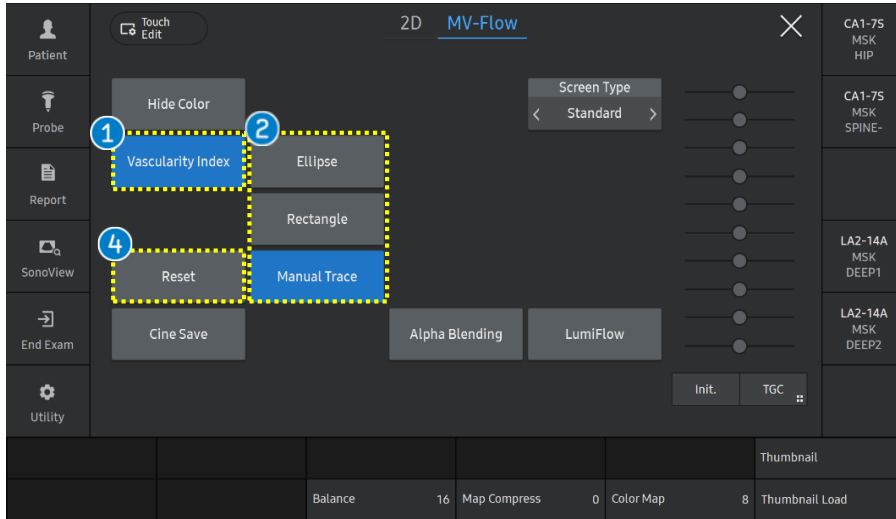
The higher the index value, the more flash artifacts from movement are removed.

The highest index value can cause the micro vascular signals to be eliminated.

### 4 Color Map

Select a color map of MV-Flow depending on user's preference. (Up to 8)

# 4. Vascularity Index in MV-Flow™ (1)

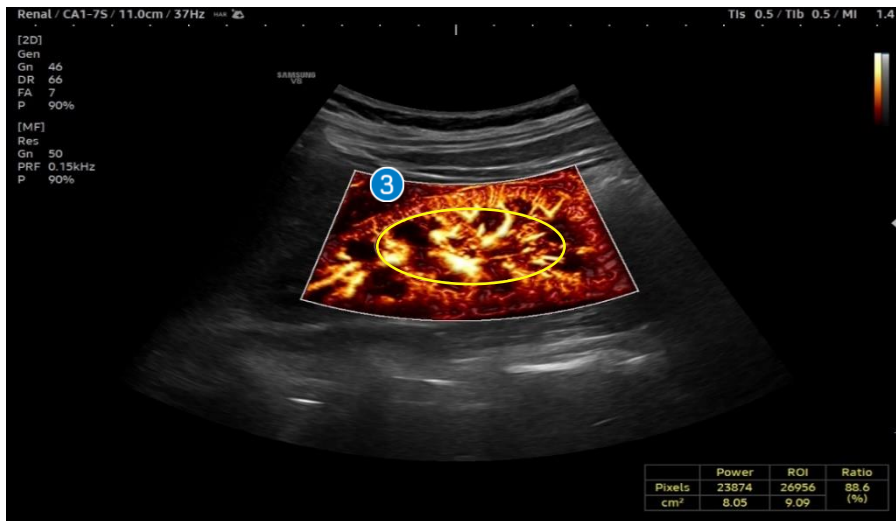


## 1 Vascularity Index

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 [Reset] on the touch screen to restart drawing 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 V series 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 V series V1.05.
- Disclaimer: Some Images in this content were obtained from other system.

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