SAMSUNG

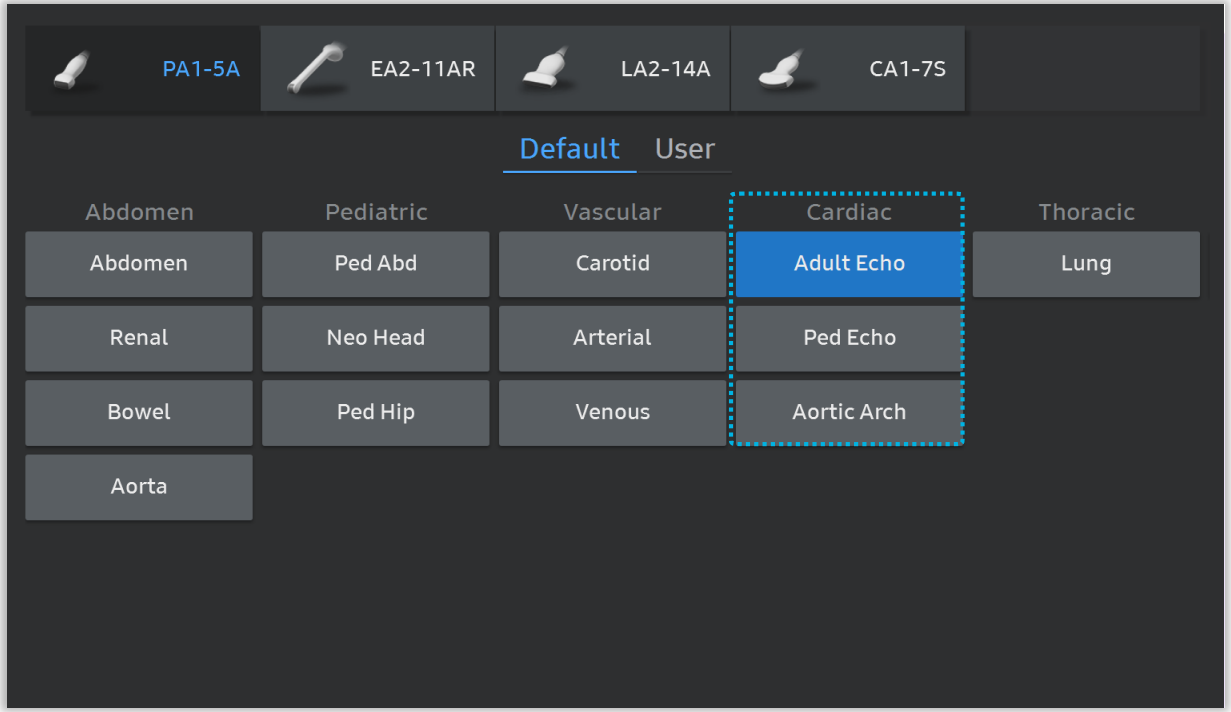
AutoEF

V series **Quick Guide**

Produced by Clinical Training Center / SAMSUNG MEDISON CO.,LTD

AutoEF

1. Probe and Preset



※ Available conditions for Auto EF

Application	Cardiac
Preset	Adult Echo, Ped Echo, Aortic Arch
Mode	2D (Single mode)
ECG	ECG (more than 1 R-R cycle)

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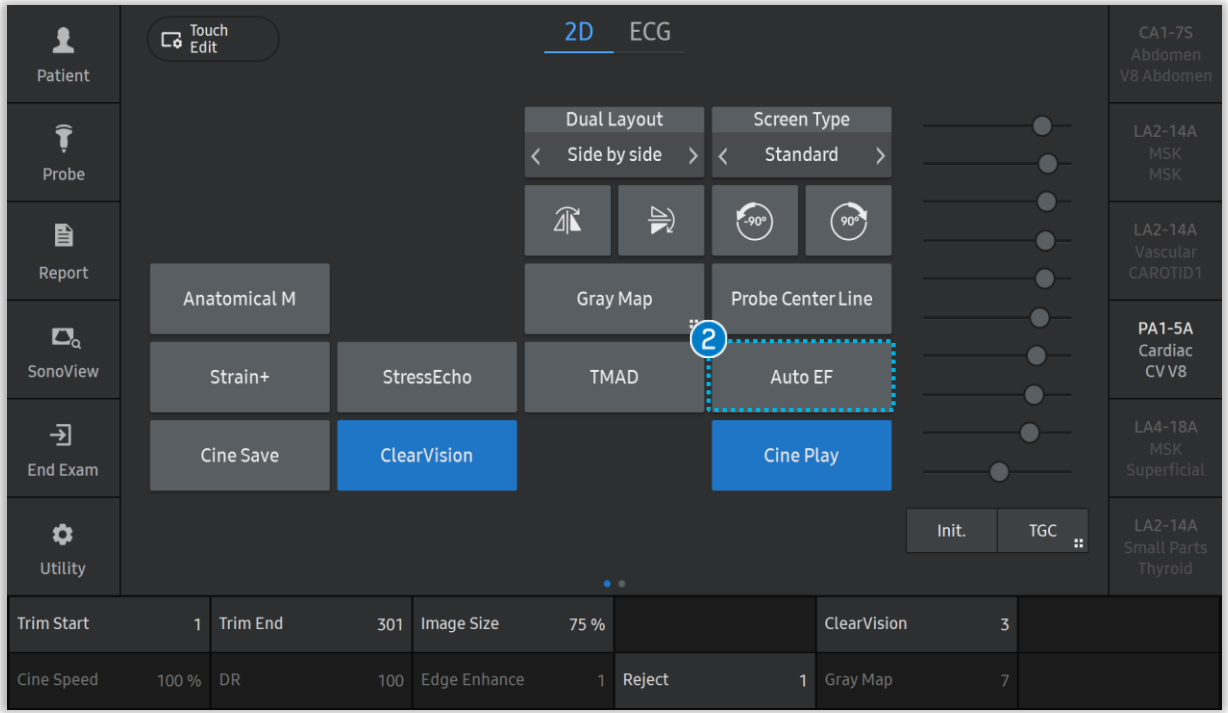
2. Start Auto EF



❶ Image scan & Save	Save the clips for Auto EF. (Apical 2 chamber or Apical 4 chamber view)
❷ Auto EF	Select A2C or A4C from the thumbnail list. Then select Auto EF.

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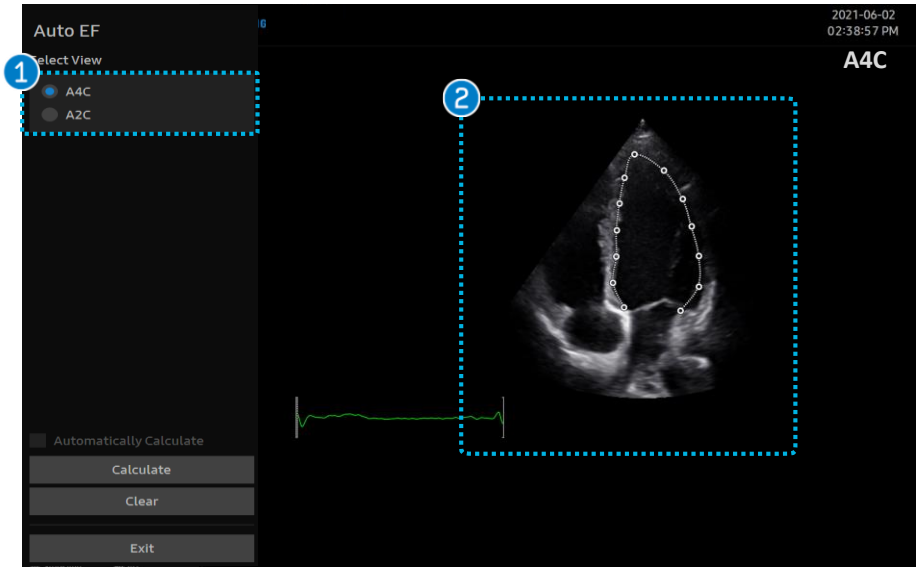
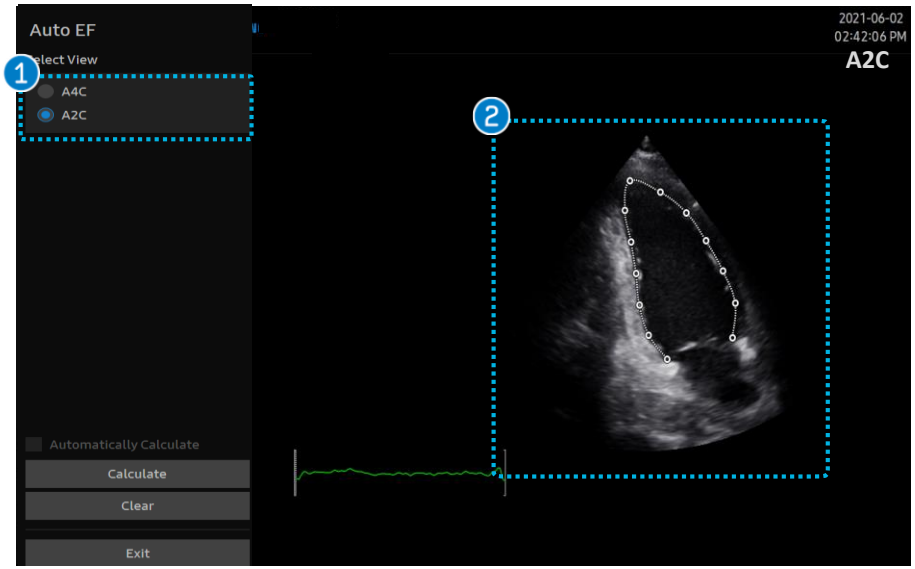
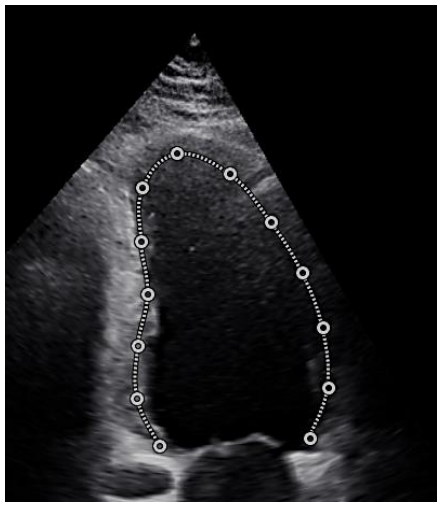
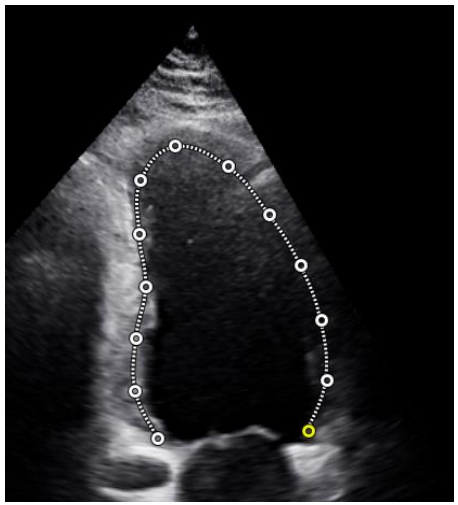
3. Select the images





① Select view	Select A4C or A2C at the Selected View menu on the upper left of the monitor. (A4C view is set as Default)
② Check the endocardial border line	Check the endocardial border line that system automatically provides.

4. Edit Contour


❶ Edit the endocardial border	When you place the Pointer close to the endocardial point you want to edit, the endocardial border will change to yellow points.
	Press the [Set] button and move the point to the desired position.
	Press the [Set] button again to finish editing.

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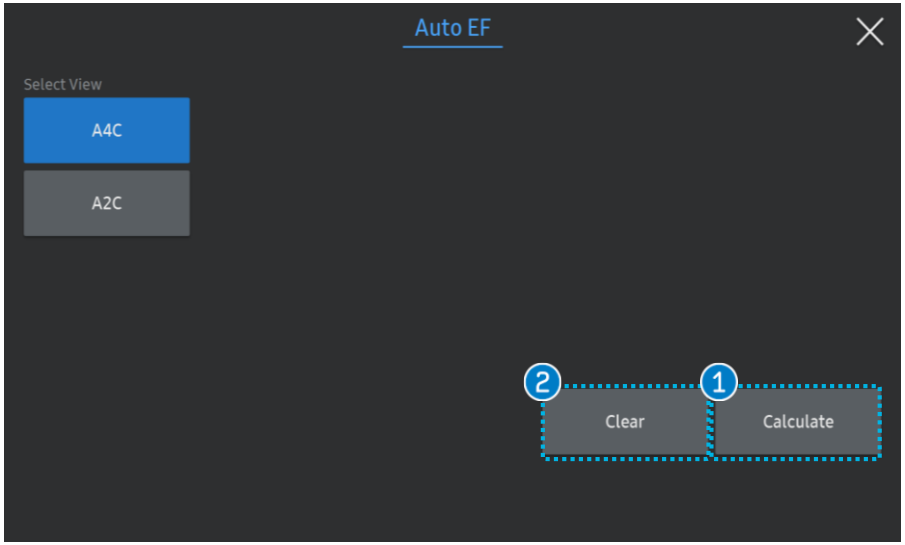
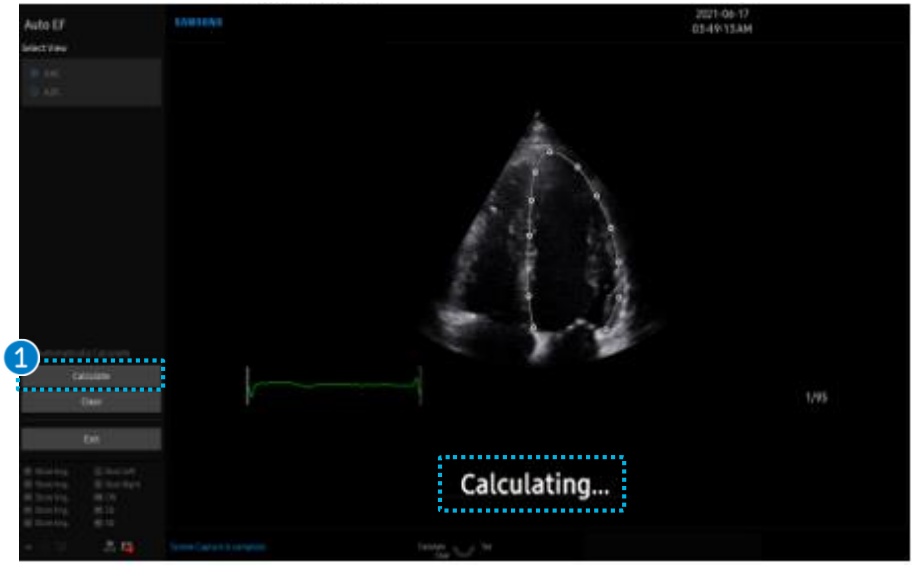
5. Calculating Auto EF data



❶ Calculate	When you press the[Calculate] button, the endocardial border will be tracked and the Auto EF data will be displayed. ※ *The message "Calculating.."will appear on the bottom of the monitor.*
❷ Clear	Clear all specified points.



★Tips

- Auto EF Calculation

  Once speckle tracking of the LV endocardial border is applied to all the frames, the EF value is automatically calculated based on the LV volume at end diastole and end systole.

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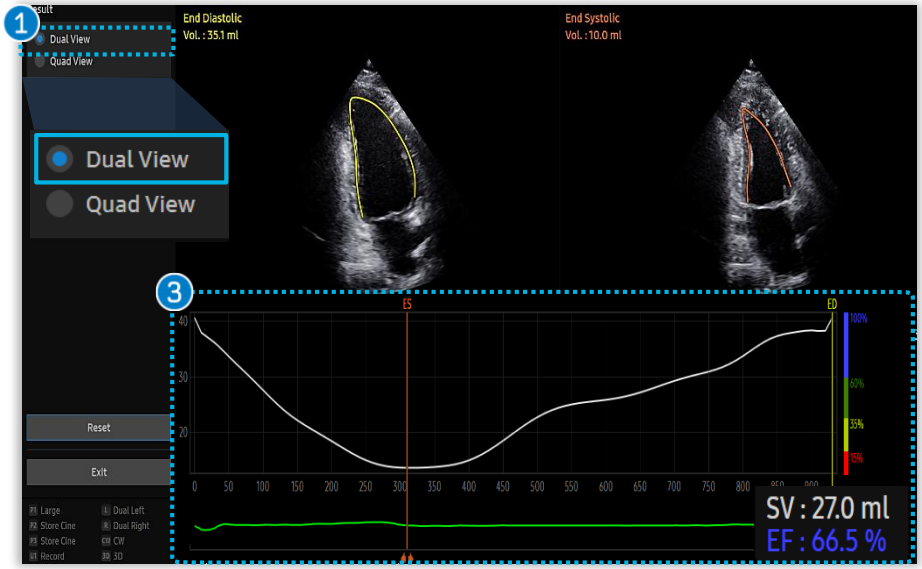
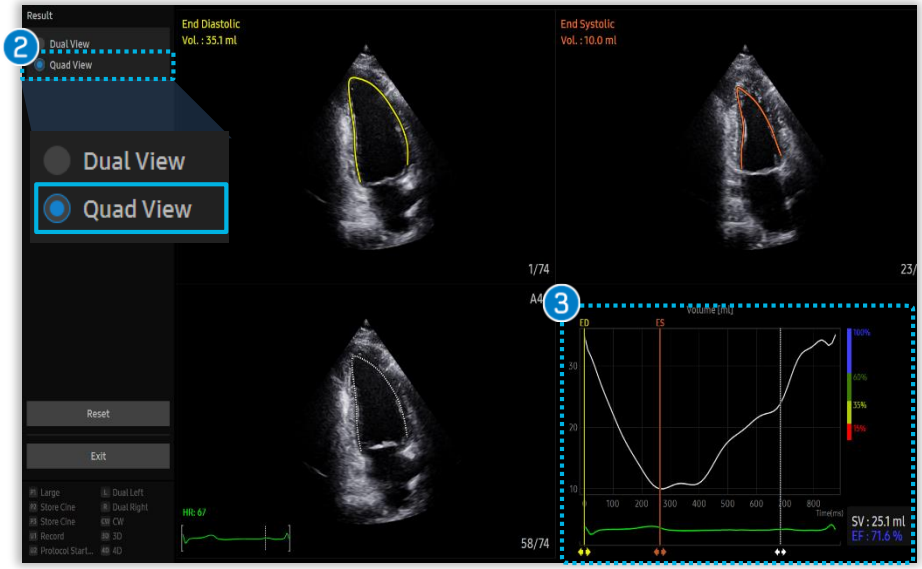
6. Auto EF Result -1





❶ Dual view	Displays the End-diastole, End-systole, and LV volume graph.
❷ Quad view	Displays the End-diastole, End-systole, LV volume graph, and cine play of LV additionally. ※ *It can help verify the LV border for all frames.*
❸ Result	Displays the LV volume graph, SV(stroke volume), and EF (Ejection Fraction) value.

★Tips

- You can check the Bi plane EF results when you get the results of both 2ch and 4ch.

- Check the report page on the setup, you have to put the Biplane measure items on the library.

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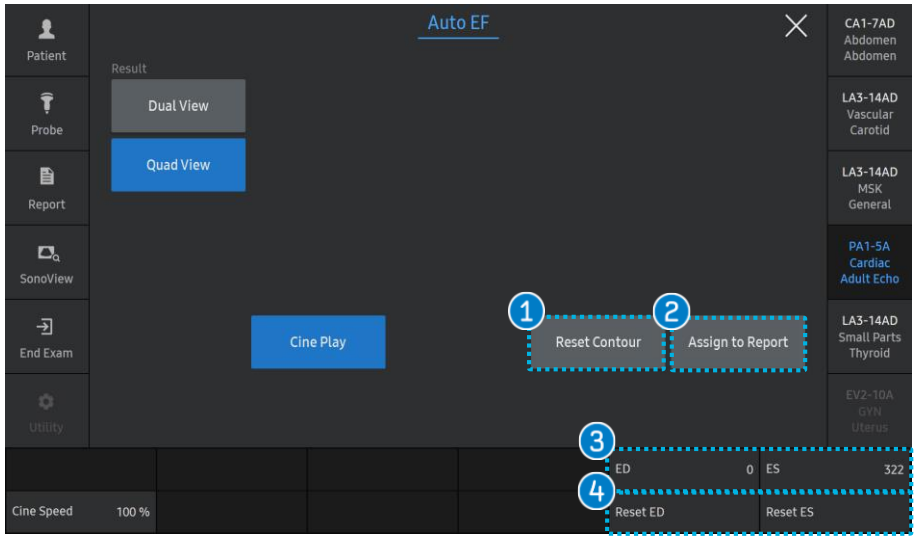
6. Auto EF Result -2



❶ Reset	Reset all the border contours and then go to the initial page to specify the 3 points. ▪ In this case, if you want to pass the Calculation button 3 points, check the 'Automatically Calculate' box. ☐ Automatically Calculate
❷ Assign to Report	The result will be assigned to the report .
❸ ED, ES	Able to change the time point of ED(End-diastole), ES(End-systole) volume. The EF will be calculated with the changed volume results.
❹ Reset ED, ES	Reset the end diastole and end systole value.

- 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, fore more detail, please refer to HERA W10 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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