## **HeartAssist**™

HeartAssist<sup>™</sup> automatically identifies fetal cardiac structures on standard views and provides measurements and distribution graph based on big data.

- Reduce time-consuming procedure and Improve work productivity
- Z-score helps to intuitively identify the fetal cardiac anomalies

	View	Meas.	Calc.
OB.PH.(CA2-9A.FRI12Hz /4.5cm WWHT 0.67 cm RV Width 0.67 cm RV Width 0.65 cm LV/RV (W) 1.22 LA Width 0.65 cm RA Width 0.65 cm IZ-scores] RV Width ZS(UA) 0.22 LV Area 0.51 cm <sup>2</sup> RV Area 0.42 cm <sup>2</sup> LV/RV (A) 1.21 LA Area 0.42 cm <sup>2</sup> LV/RV (A) 1.21 Z-scores] LV Area ZS(BPD) -0.01 ZS(UA) -0.25 ZS(UA) -0.25 ZS(U	4CV (15)	RV Width LV Width RA Width LA Width RV Length LV Length RV Area LV Area RA Area LA Area TV Annulus MV Annulus	LV/RV (W) LV/RV (L) LV/RV (A)
OB /FH /CV1-8A /FR104Hz /6.6cm	Thoracic (10)	Cardiac Axis Thoracic Area Heart Area Thoracic Circumference Heart Circumference Thoracic Diam Trans Heart Diam Trans	CTAR CTCR CTR
PA Diam 0.65 cm Ao Diam 0.50 cm SVC Diam 0.29 cm SVV Alignment Aligned	3VV (5)	PA Diam Ao Diam SVC Diam Thymus Diam	3VV Alignment
08 /FetalHeart (CA1-7A /FR53Hz /6.5cm	<b>3VVPA</b>	MPA Diam	
Asc. Aorta Ao Transvers Ao Isthmus (Arch) 0.28 cm Ao Isthmus (Arch) 0.28 cm	(2)	RPA Diam	
	3VI (3)	Ao Isthmus(3VT)	3VT Shape
	A-arch (4)	Asc. Aorta Ao Transvers Ao Isthmus(Arch) Desc. Aorta	
	LVOT (3)	Aorta AV Annulus	AV/Aorta
	LVOT (1) +3VVPA(1)	PV Annulus	AV/PV

Produced by Global Clinical Group/SAMSUNG MEDISON CO,LTD

## **HeartAssist**™

## How it works

- Configure the default meas. item of each cardiac view in Measure Setup > Measure > Fetal Heart
- 2. Acquire the fetal cardiac view
- 3. Press the [Measure] key
- 4. Default items are automatically measured
- 5. To modify the caliper, Select the [Change] key and position the cursor at desired location
- Select the additional fetal heart items on touch panel or left menu on the screen
- Confirm the result values and z-scores on the report







	General D	oppler HeartAssis	st	×
Basic 4C	V Thorax	LVOT / RVOT	300	Arch
4CV Width All	Assist 3 Width RV Width	Assist S LA Width	Assist 3 Assist RA Width	Vent. Widths
Vent. Lengths	Length Assist 2 RV Leng	th Annulus All	Assist TV Annulus	Assist MV Annulus
4CV Area All LV	Area RV Area	Assist S LA Area	Assist RA Area	
Assist A	uto Measure		Report Edit	Undo
Fetal Heart				

Produced by Global Clinical Group/SAMSUNG MEDISON CO,LTD