

9.2 Probe List

The ultrasound image scanner uses probes to obtain graphic data of the human body and then displays it on the screen. Always use application-specific probes in order to obtain the best quality images. It is also important to configure the probe with the best settings for the particular organ being scanned.

9.2.1 Probe Application and Preset

Probes, applications and settings available for this product are as follows:

| 프로브 | 진단과목 | 설정 |
|-----------|-----------------|--|
| C1-4EC | Abdomen | General, Aorta, Renal |
| | OB | 1st Trimester, 2nd Trimester, 3rd Trimester, Fetal Heart |
| | Gynecology | Uterus |
| | Contrast | Perfusion |
| C2-6IC | Abdomen | General, Aorta, Renal |
| | OB | 1st Trimester, 2nd Trimester, 3rd Trimester, Fetal Heart |
| | Gynecology | Uterus |
| C4-9/10ED | Pediatric | General, Neo Head |
| | Abdomen | Appendix |
| | Vascular | Carotid, Arterial, venous |
| L3-8 | Vascular | Arterial, Carotid, Venous |
| | Small Parts | Thyroid, Testicle, Breast, Bowel |
| L5-13IS | Small Parts | Thyroid, Testicle, Breast, Bowel |
| | Vascular | Arterial, Carotid, Venous |
| | Musculoskeletal | Shoulder/Knee, Hand/Foot, Elbow/Wrist |
| LF5-12 | Vascular | Carotid, Arterial, Venous |
| | Small Parts | Thyroid, Testicle, Breast, Bowel |
| | Musculoskeletal | Shoulder/Knee, Hand/Foot, Elbow/Wrist |
| LS5-13 | Intraoperative | General |
| | Musculoskeletal | Shoulder/Knee, Hand/Foot, Elbow/Wrist |

| 프로브 | 진단과목 | 설정 |
|------------|-----------------|--|
| P2-4BA | Abdomen | General, Aorta, Renal |
| | Cardiac | Adult Echo, Aortic Arch, Ped Echo |
| | TCD | General |
| P3-8CA | Abdomen | General, Aorta, Renal |
| | Cardiac | Adult Echo, Aortic Arch, Ped Echo |
| P4-12 | Cardiac | Aortic Arch, Ped Echo |
| | Pediatric | Abdomen, Neo Head |
| CW2.0 | Cardiac | Adult Echo |
| CW4.0 | Cardiac | Adult Echo, Ped Echo |
| VR5-9 | OB | 1st Trimester |
| | Gynecology | Uterus, Adnexa |
| | Urology | Prostate |
| EV4-9/10ED | OB | 1st Trimester |
| | Gynecology | Uterus, Adnexa |
| | Urology | Prostate |
| ER4-9/10ED | OB | 1st Trimester |
| | Gynecology | Uterus, Adnexa |
| | Urology | Prostate |
| V4-8 | Abdomen | General, Aorta, Renal |
| | OB | 1st Trimester, 2nd Trimester, 3rd Trimester, Fetal Heart |
| | Gynecology | Uterus |
| 3DC2-6 | Abdomen | General, Aorta, Renal |
| | OB | 1st Trimester, 2nd Trimester, 3rd Trimester, Fetal Heart |
| | Gynecology | Uterus |
| V5-9 | OB | 1st Trimester |
| | Gynecology | Uterus, Adnexa |
| | Urology | Prostate |
| V6-12 | Small Parts | Thyroid, Testicle, Breast |
| | Musculoskeletal | Shoulder/Knee, Hand/Foot, Elbow/Wrist |
| | Vascular | Carotid, Arterial, venous |

NOTE

- Besides, user can have or select own preset between User1-5.
- Refer to 'Chapter3. Starting Diagnosis' for how to set probe and its preset.

9.2.2 Function list

Some functions depend on probe and its application. See following table.

| Probe | Application | Q Scan | Har | PI | TDI | CM | ECG | Biopsy |
|------------|-----------------|--------|-----|----|-----|----|-----|--------|
| C4-9/10ED | Vascular | • | x | x | x | x | x | x |
| | Pediatric | • | x | x | x | x | x | x |
| | Abdomen | • | x | x | x | x | x | x |
| L3-8 | Vascular | • | • | x | x | x | • | • |
| | Small Parts | • | • | x | x | x | • | • |
| L5-13IS | Smallparts | • | • | x | x | x | • | • |
| | Vascular | • | • | x | x | x | • | • |
| | Musculoskeletal | • | • | x | x | x | • | • |
| LF5-12 | Musculoskeletal | • | • | x | x | x | x | • |
| | Smallparts | • | • | x | x | x | • | • |
| | Vascular | • | • | x | x | x | • | • |
| LS5-13 | Intraoperative | • | • | x | x | x | • | x |
| | Musculoskeletal | • | • | x | x | x | x | x |
| P2-4BA | Abdomen | • | • | • | x | x | x | x |
| | Cardiac | • | • | • | • | • | • | x |
| | TCD | • | • | • | x | x | x | x |
| P3-8CA | Abdomen | • | • | • | x | x | x | x |
| | Cardiac | • | • | • | • | • | • | x |
| P4-12 | Pediatric | • | • | • | x | x | x | x |
| | Cardiac | • | • | • | • | • | • | x |
| CW2.0 | Cardiac | x | x | x | x | x | • | x |
| CW4.0 | Cardiac | x | x | x | x | x | • | x |
| EV4-9/10ED | OB | • | x | x | x | x | x | • |
| | Gynecology | • | x | x | x | x | x | • |
| | Urology | • | x | x | x | x | x | • |
| C1-4EC | Abdomen | • | • | • | x | x | x | • |
| | OB | • | • | • | x | FH | x | • |
| | Gynecology | • | • | • | x | x | x | • |
| | Contrast | • | • | • | x | x | x | • |
| C2-6IC | Abdomen | • | • | • | x | x | x | • |
| | OB | • | • | • | x | FH | x | • |
| | Gynecology | • | • | • | x | x | x | • |

| Probe | Application | Q Scan | Har | PI | TDI | CM | ECG | Biopsy |
|------------|-----------------|--------|-----|----|-----|----|-----|--------|
| ER4-9/10ED | OB | • | x | x | x | x | x | • |
| | Gynecology | • | x | x | x | x | x | • |
| | Urology | • | x | x | x | x | x | • |
| VR5-9 | Gynecology | • | • | x | x | x | x | • |
| | OB | • | • | x | x | x | x | • |
| | Urology | • | • | x | x | x | x | • |
| V4-8 | Abdomen | • | • | • | x | x | x | • |
| | OB | • | • | • | x | FH | x | • |
| | Gynecology | • | • | • | x | x | x | • |
| V5-9 | Gynecology | • | • | x | x | x | x | • |
| | OB | • | • | x | x | x | x | • |
| | Urology | • | • | x | x | x | x | • |
| V6-12 | Small Parts | • | • | x | x | x | • | • |
| | Musculoskeletal | • | • | x | x | x | • | • |
| | Vascular | • | • | x | x | x | • | • |
| 3DC2-6 | Abdomen | • | • | • | x | x | x | • |
| | OB | • | • | • | x | FH | x | • |
| | Gynecology | • | • | • | x | x | x | • |

NOTE

- Q Scan: Quick Scan
- Har: Harmonic imaging
- PI: Pulse Inversion
- PPI: Power Pulse Inversion
- TDI: Tissue Doppler Imaging
- CM: Color M mode
- ECG: Electro Cardio Graph

9.3 Thermal Index (TI) Tables

TI(TI;Thermal Index) values displayed on the screen title bar can change depending on probes and applications. ACCUVIX XG decides automatically which TI value will be displayed out of TIs(TI;Thermal Index System), TIb(TI;Thermal Index Bone), and TIc(TI;Thermal Index Cranium). The TI values are as follows,

| Probe | Application | | | | | | | | | | | |
|------------|-------------|------------|------------|---------|----------|---------|-----------------|-----------|-------------|-----|----------|----------------|
| | Abdomen | Obstetrics | Gynecology | Cardiac | Vascular | Urology | Musculoskeletal | Pediatric | Small Parts | TCD | Contrast | Intraoperative |
| C1-4EC | TIs | TIb | TIs | | | | | | | | TIs | |
| C2-6IC | TIs | TIb | TIs | | | | | | | | | |
| C4-9/10ED | TIs | | | | TIs | | | TIs | | | | |
| L3-8 | TIs | | | | TIs | | | | TIs | | | |
| L5-13IS | TIs | | | | TIs | | TIs | | TIs | | | |
| LF5-12 | TIs | | | | TIs | | TIs | | TIs | | | |
| LS5-13 | | | | | | | TIs | | | | | TIs |
| P2-4BA | TIs | | | TIs | | | | | | TIs | TIs | |
| P3-8CA | TIs | | | TIs | | | | | | | TIs | |
| P4-12 | | | | TIs | | | | TIs | | | | |
| CW2.0 | | | | TIs | | | | | | | | |
| CW4.0 | | | | TIs | | | | | | | | |
| EV4-9/10ED | | TIb | TIs | | | TIs | | | | | | |
| ER4-9/10ED | | TIb | TIs | | | TIs | | | | | | |
| VR5-9 | | TIb | TIs | | | TIs | | | | | | |
| V4-8 | TIs | TIb | TIs | | | | | | | | | |
| V5-9 | | TIb | TIs | | | TIs | | | | | | |
| V6-12 | | | | | TIs | | TIs | | TIs | | | |
| 3DC2-6 | TIs | TIb | TIs | | | | | | | | | |