

QIBA CT Volumetry Field Test Phantom Scan Protocol

1. Adult chest protocol

Scanners	kVp	mA	Pitch	Rotation Time (sec)	Collimator Configuration (mm)	Slice Thickness (mm)	Overlap	Reconstruction Algorithm
GE Revolution GSI (64 slices)	120	150	1.375	0.5	64*0.625	5 1.25	0%	Lung (ASIR20%) Standard (ASIR40%)

2. Adult abdomen protocol

Scanners	kVp	mA	Pitch	Rotation Time (sec)	Collimator Configuration (mm)	Slice Thickness (mm)	Overlap	Reconstruction Algorithm
GE Revolution GSI (64 slices)	120	300	1.375	0.6	64*0.625	5 2.5	0%	Standard (ASIR50%) Standard (ASIR40%)

- For chest protocol, the MTF and noise measurement were done on images reconstructed with standard (ASIR40%) kernel and 1.25 mm slice thickness
- For Abdomen protocol, the MTF and noise measurement were on images reconstructed with standard (ASIR40%) kernel and 2.5 mm slice thickness.