

DIGITAL OPTIMUM kV

Body Part	kV
Chest (Bucky/Grid)	117-125
Chest (Non Grid)	85-95 (105)
Abdomen	80-95
Abdomen (Iodine)	75-80
Extremities (Table Top)	65-75
Extremities (Grid)	70-80
Extremities (Bucky)	75-85
AP Spines	85-95
C-Spine Lateral	85-100
T-Spine Lateral	85-100
L-Spine Lateral	85-100
Ribs (Upper and Lower)	80-90
Skull	80-90
BE – (Regular)	110-120
BE – (Air Contrast)	100-110
Pediatric:	
Infant Extremities	50-65
Pediatric Chest (Non Grid)	70-85

Dose Exposure Saved with 72" SID							
SID	kV	mAs	Dose (mR)	Radiation Saved (%)	50% EI Decrease (mAs)	50% EI Dose (mR)	Total Dose Reduction (%)
72"	70	20	33.0				
72"	81	10	22.1	30.0%	5.0	11.1	65.5%
72"	85	8	19.4	41.3%	4.0	9.7	70.7%
72"	90	6.3	17.0	48.5%	3.2	8.5	74.2%
72"	96	4	12.2	63.1%	2.0	6.1	81.6%



Digital Radiography Solutions "Maximizing Image Quality, Minimizing Patient Dose"

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