



Small animal exposure chart

Direct Digital Radiography systems (DR)

Suggested exposures are for a Focal Spot/Film Distance (FFD) of 80cm without a grid
If using a grid double the mAs or add 10kV

Thorax – lateral view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
7	60	1		
9	60	1		
12	70	1.6		
15	70	1.6		
Medium Dog				
18	70	2.4		
21	75	2.4		
23	75	3.2		
Large Dog				
25 - 30	80	4-6		

Thorax – VD/DV view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
7	60	1		
9	60	1		
12	65	1.6		
15	70	1.6		
Medium Dog				
18	75	2.4		
21	75	2.4		
23	80	3.2		
Large Dog				
25 - 30	80	4.6		

Abdomen – lateral view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
6	50	2.4		
8	50	2.4		
10	50	3.2		
12	55	3.2		
14	60	4		
16	65	5		
Medium Dog				
18	70	6.4		
20	70	7		
22	80	7		
Large Dog				
24 - 30	80	8 - 12		

Abdomen – VD/DV view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
6	50	2.4		
8	50	2.4		
10	55	3.2		
12	55	4.5		
14	60	5		
16	65	6		
Medium Dog				
18	70	7		
20	75	7		
22	80	8		
Large Dog				
24 - 30	80	8 - 10		

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Pelvis/Hips – lateral view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
8	50	2.4		
10	52	2.4		
12	52	3.2		
14	55	4		
16	55	4		
Medium Dog				
18	60	5		
20 - 22	65	6		
Large Dog				
24 - 30	70	7 - 10		

Pelvis/Hips – VD view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
8	50	2.4		
10	50	3.2		
12	55	3.2		
14	55	4		
16	60	4		
Medium Dog				
18	60	5		
20 - 22	65	6.4		
Large Dog				
24 - 30	70	7 - 10		

Extremities – lateral and CC/DP views

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
1	50	1		
2	52	1		
3	52	1		
4	50	2		
5	55	2		
Medium Dog				
6	55	3		
8	60	3.5		
Large Dog				
10	60	3.5		
12	60	4		
14 - 20	60	5 - 6.4		

Skull – lateral and DV/VD views

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
8	50	1.6		
10	55	2.4		
12	60	4		
Medium Dog				
14	70	5		
16	70	6		
Large Dog				
18	70	8		

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Thoracic Spine – lateral view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
7	55	2.4		
9	60	3.2		
12	60	4		
15	65	5		
Medium Dog				
18	70	6		
21	75	7.5		
23	75	8.5		
Large Dog				
25 - 30	80	8 - 12		

Thoracic Spine – VD view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
7	55	2.4		
9	60	3.2		
12	65	4		
15	70	4		
Medium Dog				
18	75	7		
21	75	8.0		
23	80	9.0		
Large Dog				
25 - 30	80	8 - 10		

Cervical Spine – lateral and VD views

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
7	50	2.4		
9	50	3.2		
12	55	4		
15	60	5		
Medium Dog				
18	65	7		
21	60	7		
23	75	8		
Large Dog				
25 - 30	80	8 - 12		

Lumbar Spine – lateral and VD view

Thickness (cm)	Suggested kV	Suggested mAs	Adjusted kV	Adjusted mAs
Cat/Small Dog				
6	50	2.5		
8	50	3.2		
10	55	3.2		
12	60	4		
15	65	5.5		
Medium Dog				
18	70	6		
20	75	7.5		
22	80	8.5		
Large Dog				
25 - 30	80	10 - 15		

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