

**3M™ Small Animal Radiographic Techniques
for MinXray Model *HF100+***

3M™ Asymetrix™ Cassettes

3M™ Ultra Detail Plus or 3M™ Ultimate 2000 Veterinary X-ray film

	cm	kVDC	3M Asymetrix™ Fast Detail cassette (550 speed)		3M Asymetrix™ Detail cassette (350 speed)	
			mAs	Time (sec)	mAs	Time (sec)
Extremities, Pelvis, Skull	1-2	54	0.35	0.01	0.70	0.02
	3-4	58	0.35	0.01	0.70	0.02
	5-6	50	0.80	0.02	1.05	0.03
	7-8	54	0.70	0.02	1.20	0.03
	9-10	56	0.70	0.02	1.20	0.03
	11-12	60	1.05	0.03	1.40	0.04
	with grid:					
	13-14	66	1.80	0.06		
	15-16	70	1.80	0.06		
	17-18	70	2.10	0.07		
19-20	74	2.25	0.09			

Thorax	6-7	52	0.70	0.02	1.05	0.03
	8-9	58	0.70	0.02	1.05	0.03
	10-11	62	0.90	0.03	1.20	0.04
with grid:						
	12-13	72	1.25	0.05		
	14-15	76	1.50	0.06		
	16-17	80	2.25	0.09		
	18-19	86	2.20	0.11		
	20-21	92	2.20	0.11		
	22-23	96	3.20	0.16		

Abdomen	6-7	54	0.70	0.02	1.05	0.03
	8-9	54	1.05	0.03	1.40	0.04
	10-11	60	1.05	0.03	1.40	0.04
with grid:						
	12-13	62	2.10	0.07		
	14-15	64	3.30	0.11		
	16-17	72	3.25	0.13		
	18-19	82	3.20	0.16		
	20-21	84	5.00	0.25		
	22-23	90	6.00	0.30		

Grid 6:1 ratio, 103 lpi

*These are recommended starting techniques. Results depend on many factors. If films are too dark (overexposed), decrease time; if films are too light (underexposed), increase time.