Carestream DENTAL

Exposure Guidelines

INSIGHT

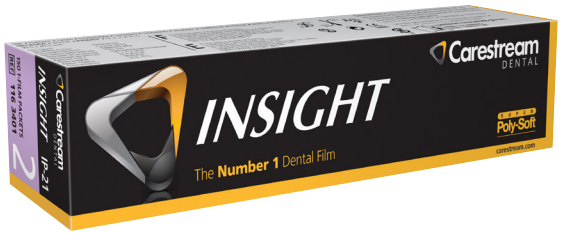
Factor for this Office

	Exposure factors	60kV 7mA	65kV 7.5mA	65kV 8mA	70kV 7mA	70kV 8mA	80kV 10mA	kV mA	kV mA
	Patient	Adult*	Adult*	Adult*	Adult*	Adult*	Adult*	Adult*	Adult*
	Source-image distance	8 in	8 in	8 in	8 in	8 in	8 in	8 in	8 in
	Region	Approximate exposure in seconds*							
MAXILLARY	Anterior	0.25	0.14	0.14	0.12	0.11	0.04		
MAXILLARY	Premolar	0.33	0.19	0.18	0.16	0.14	0.06		
MAXILLARY	Molar	0.37	0.22	0.20	0.19	0.16	0.06		
MAXILLARY	Bitewing	0.25	0.14	0.14	0.12	0.11	0.04		
MANDIBULAR	Anterior	0.21	0.12	0.11	0.10	0.09	0.04		
MANDIBULAR	Premolar	0.23	0.13	0.12	0.11	0.10	0.04		
MANDIBULAR	Molar	0.25	0.14	0.14	0.12	0.11	0.04		
MANDIBULAR	Bitewing	0.25	0.14	0.14	0.12	0.11	0.04		

To convert to impulses, multiply exposure time by 60.

For a 12 inch cone, multiply exposure time by 2.25. For a 16 inch cone, multiply exposure time by 4.

*NOTE: For large patients, increase time by approximately 25%
For children, reduce time approximately 30%
For edentulous patients, reduce time 25%
DC x-ray generators: Reduce exposure time about one-third.



For more information, call **800.933.8031** or visit **carestream.com.**

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8641 DE Intraoral Film SS 1017 CHSP-8540; Rev: 4

Carestream DENTAL

Exposure Guidelines

Ultra-speed

Factor for this Office

	Exposure factors	60kV 7mA	65kV 7.5mA	65kV 8mA	70kV 7mA	70kV 8mA	80kV 10mA	kV mA	kV mA
	Patient	Adult*	Adult*	Adult*	Adult*	Adult*	Adult*	Adult*	Adult*
	Source-image distance	8 in	8 in	8 in	8 in	8 in	8 in	8 in	8 in
	Region	Approximate exposure in seconds*							
MAXILLARY	Anterior	0.55	0.32	0.30	0.27	0.24	0.10		
MAXILLARY	Premolar	0.73	0.43	0.40	0.37	0.32	0.13		
MAXILLARY	Molar	0.82	0.48	0.45	0.41	0.36	0.14		
MAXILLARY	Bitewing	0.55	0.32	0.30	0.27	0.24	0.10		
MANDIBULAR	Anterior	0.46	0.27	0.25	0.23	0.20	0.08		
MANDIBULAR	Premolar	0.50	0.29	0.28	0.25	0.22	0.09		
MANDIBULAR	Molar	0.55	0.32	0.30	0.27	0.24	0.10		
MANDIBULAR	Bitewing	0.55	0.32	0.30	0.27	0.24	0.10		

To convert to impulses, multiply exposure time by 60.

For a 12 inch cone, multiply exposure time by 2.25. For a 16 inch cone, multiply exposure time by 4.

*NOTE: For large patients, increase time by approximately 25%
For children, reduce time approximately 30%
For edentulous patients, reduce time 25%
DC x-ray generators: Reduce exposure time about one-third.

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