

## D88+

D88+ delivers high-quality dental images with outstanding processing and handling characteristics with the added convenience of processing within the packet.

### Exposure Guidelines for Adult Patients<sup>1</sup>

D88+		Approximate Exposure in Seconds <sup>2</sup>				
Region/Settings		60 kVp, 7mA	65 kVp 7.5 mA	65 kVp, 8 mA	70 kVp, 7 mA	70 kVp, 8 mA
Maxillary	Anterior	0.25	0.14	0.14	0.12	0.11
	Premolar	0.33	0.19	0.18	0.16	0.14
	Molar	0.37	0.22	0.20	0.19	0.16
Mandibular	Anterior	0.21	0.12	0.11	0.10	0.09
	Premolar	0.23	0.13	0.12	0.11	0.10
	Molar	0.25	0.14	0.14	0.12	0.10
Bite	Premolar	0.25	0.14	0.14	0.12	0.11

NOTE: Exposure times are starting guidelines only. Exposure times may vary depending on the manufacturer of the x-ray unit. Adjust as needed based on your exposing unit.

### How to Use

The D88+ packet is designed to be simple and easy to use. All that is needed is a syringe and processing solution to get started.



After film exposure, fill syringe with 2 ml<sup>3</sup> of chemistry.  
 Insert syringe into the top of the packet and inject the monobath solution as shown.  
 Be careful not to insert needle too deep and scratch the film.

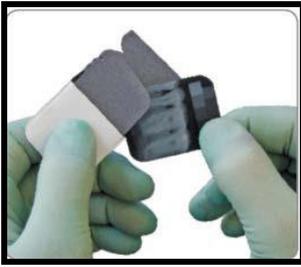


Gently massage the film packet for 80 seconds by rubbing the packet between the thumb and index finger over the entire length of the pouch.

<sup>1</sup> For children: Reduce adult exposure time about one-third to one-half.

<sup>2</sup> Based on half-wave rectified units.

<sup>3</sup> 2 ml of solutions with a 80 second development time is recommended starting point. Adjust as needed. See table on page 2 for use with other solution amounts.



After 80 seconds, open the film packet, and remove the film from the packet and paper wrap.

Rinse thoroughly with clean water for 2 minutes.

Please follow your local regulations for handling and disposing of processing chemistry and films.



View your x-ray for diagnosis.

To improve image longevity, rinse thoroughly and dry as normal.

**Note:** Follow standard safety procedures for handling and processing chemicals such as the use of protective gloves and goggles.

### Processing amount, time and temperature recommendations<sup>4</sup>

Amount of solution injected into	Development Time (Seconds) 15	Development Time (Seconds) 20	Development Time (Seconds) 32
1 ml	150	120	80
2 ml	100	80	60
3 ml	80	60	45

NOTE: Follow standard safety procedures for handling and processing chemicals, such as the use of protective gloves and goggles.

Not recommended for archival keeping.

### Storage and Handling

#### Storage -

Unexposed:



10–24 °C (50–75 °F)

Do not refrigerate or freeze as this can cause condensation to occur.



30–50 %RH



Protect from heat and radioactive sources. Film is to be properly shielded from x-rays, gamma rays, or penetrating radiation.

Exposed:

Keep cool, dry, and properly shielded from penetrating radiation. Process as soon as possible.

Processed:

16–27 °C (60–80 °F), 30–50 %RH

The film should be used before the expiration date  indicated on the box with the lot number **LOT**.

<sup>4</sup> Results are based on the use of Dental X-ray Monobath. Use of other chemistries may require different development times. Use of different solution volumes may produce variances in image quality. These are starting points. Adjust as needed.

**Handling -**

Hands must be clean, dry and free of lotions, etc. Film should be handled carefully by the edges to avoid physical strains such as pressure, creasing, or buckling. Luminous watches, cell phone and darkroom light leaks should be avoided.



Do not re-use. Film is a single use medical device.

The contents of this publication are subject to change without notice.

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