Carestream DENTAL

GBX

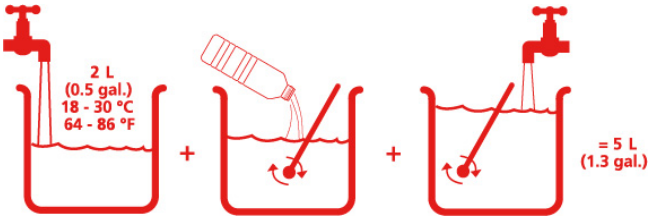
# Carestream Dental film and chemicals: the perfect combination

GBX dental chemicals have been specially developed for use with Carestream Dental films. The GBX chemicals are bottled as concentrated solutions. Mix per package directions and manually process your films for your dental imaging needs.

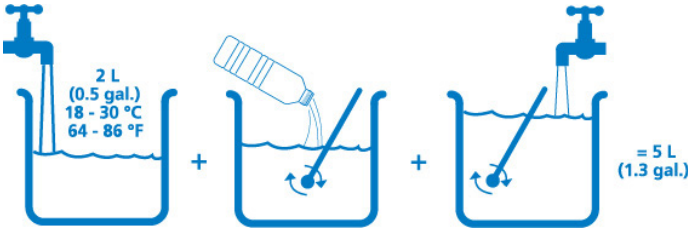
| Product Name | Description | Ref No |
|---|---|---|
| GBX Twin Pack | Two 1 Liter Bottle in a sales unit, 1 bottle of developer and 1 bottle of fixer. To make 5 liters of developer and 5 liters of fixer or 1.3 gallons of developer and 1.3 gallons of fixer. 3 sales units in a case. | 515 8613 |
| GBX Developer | One 1 Liter Bottle in a sales unit. To make 5 liters of developer or 1.3 gallons of developer. 6 sales units in a case. | 515 8597 |
| GBX Fixer | One 1 Liter Bottle in a sales unit. To make 5 liters of fixer or 1.3 gallons of fixer. 6 sales units in case. | 515 8605 |

# Mixing Instructions for GBX Chemicals

## Developer mixing instructions




## Fixer mixing instructions




# Manual Processing

| Extraoral Radiographs | Develop* | Rinse† | Fix | Wash |
|---|---|---|---|---|
| Carestream Dental Extraoral Films | GBX Developer and Replenisher | Fresh Running Water | GBX Fixer and Replenisher | Clean Running Water (Approx. 8 Volume Changes per Hour) |
| T-MAT E<br>T-MAT G/RA | 20 °C (68 °F) 5 min<br>21 °C (70 °F) 4½ min<br>22 °C (72 °F) 4 min<br>24.5 °C (76 °F) 3 min<br>26.5 °C (80 °F) 2½ min | 15.5-29.5 °C (60-85 °F) 30 s agitate continuously | 15.5-29.5 °C (60-85 °F) 2-4 min or twice the clearing time, intermittent agitation | 15.5-29.5 °C (60-85 °F) 5 min |
| **Intraoral Radiographs** | **Develop*** | **Rinse†** | **Fix** | **Wash** |
| Carestream Dental Intraoral Films | GBX Developer and Replenisher | Fresh Running Water | GBX Fixer and Replenisher | Clean Running Water (Approx. 8 Volume Changers per Hour) |
| INSIGHT<br>Ultra-speed<br>E-Speed<br>D-Speed | 20 °C (68 °F) 5 min<br>21 °C (70 °F) 4½ min<br>22 °C (72 °F) 4 min<br>24.5 °C (76 °F) 3 min<br>26.5 °C (80 °F) 2½ min | 15.5-29.5 °C (60-85 °F) 30 s agitate continuously | 15.5-29.5 °C (60-85 °F) 2-4 min or twice the clearing time, intermittent agitation | 15.5-29.5 °C (60-85 °F) 10 min |

1. Prepare developer and fixer solutions according to directions on the containers.
2. Use an accurate thermometer to determine the temperature of the developer solution for the selected film.
3. Carefully attach films to the film hangers.
4. Set the timer according to the chart for the developer temperature.

*5. Immerse the film (attached to film hanger) quickly into the developer solution, dislodging air bubbles by vigorously moving the film hanger in the solution for 5 seconds.

*6. Do not agitate film during development.

7. Remove the hanger from the developer when the timer sounds. Drain the excess developer into the water bath; do not drain it back into the developer tank.

†8. Immerse the hanger rapidly into the water rinse tank. Agitate continuously during the water rinse procedure.

9. Place the hanger in the fixer solution. Intermittent agitation (5 seconds every 30 seconds) should be used throughout the fixing procedure. Excess fixer should be drained into the water bath rather than back into the fixer tank.

10. Place the hanger in the wash tank; wash in clean running water.

11. Dry at room temperature in a dust-free area or suitable drying cabinet, temperature not to exceed 49 °C (120 °F).

12. Replenishment: add 312 ml of replenisher per 5 L of developer and fixer working solutions each day even if no film is processed in the chemicals.

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