



TECHNICAL INFORMATION BULLETIN

KODAK RP X-OMAT LO Fixer and Replenisher

Mixing Instructions

Updated January 10, 2002

Important Information Before You Begin

- Observe the precautionary information on the containers.
- Use ventilation with enough air circulation or exhaust to keep the mixing area free from strong odors (change 10 room-volumes of air per hour).
- Wear rubber gloves, eye protection (visor goggles or face shield), and a chemically impervious apron when mixing chemicals.
- To avoid release of irritating vapor(s), always follow mixing instructions.
- When filling the processor with both developer and fixer solutions, fill the fixer tank *first*.

Automixer

- A new mix of replenisher solution should be made when the low-solution level indicator is activated.
- Be sure the tank has enough room to accept the additional amount of liquid volume to be mixed.
- Before making the *initial mix* of replenisher solution, refer to the start-up procedures included in the automixer's operating instructions.
- Be sure the automixer has been set to provide the proper dilution.
- For best results, water temperature should be 70°-80°F (21°-27°C).

5 Gallons (19 Litres)

Step	Action	
1	RP X-OMAT LO Fixer and Replenisher, Part A (one bottle)	For each Step (1 and 2): a. Remove the bottle's plastic cap. b. <i>Do not remove or puncture the foil membrane covering the top of the bottle.</i> c. Remove the dust cover from the top of the automixer. d. Insert the bottle in the appropriate template. Make sure the foil membrane is punctured by the probe to allow the solution to flow into the mixing tank.
2	RP X-OMAT LO Fixer and Replenisher, Part B (one bottle)	
4	Water will automatically fill the mixing tank. When properly diluted, the specific gravity of the developer should be 1.081 to 1.091.	
5	Remove the empty bottles and place the dust cover on the automixer.	

Manual Mixing

5 or 10 Gallons (19 or 38 Litres)

- Always measure and record the quantity of fixer replenisher solution in the replenisher tank before mixing.
- Be sure the tank has enough room to accept additional liquid volume (5 or 10 gallons / 19 or 38 litres).

To Make	Start with Water 70°-80°F (21°-27°C)	While Stirring Continuously, Slowly Add (in order)	
		Part A	Part B*
5 Gallons (19 Litres)	3.7 gallons (14 litres)	1 bottle	1 bottle
10 Gallons (38 Litres)	7.4 gallons (28 litres)	2 bottles	2 bottles

* After adding Part B, stir continuously until solution is completely mixed (appx. 2 minutes).

250 Gallons (946 Litres)

- The concentrate Parts A and B must be mixed at the recommended dilution.
- Start with the required volume of water. Add the chemical parts *slowly* and *in the order indicated*.
- The 250-gallon size consists of:
 - Part A: one (1) 50-gallon (189 litre) drum of liquid
 - Part B: one (1) 4.5-gallon (16.9 litre) flexible container of liquid

To Make	Start with Water 40° - 90°F (4.5° - 32°C)	While Stirring Continuously, Slowly Add (in order)	
		Part A	Part B*
250 Gallons (946 Litres)	195 gallons (738 litres)	1 drum	1 container
100 Gallons (379 Litres)	78.2 gallons (296.6 litres)	20 gallons (75.7 litres)	1.8 gallons (6.74 litres)
50 Gallons (189 Litres)	39 gallons (148 litres)	10 gallons (38 litres)	0.9 gallons (3.37 litres)
10 Gallons (38 Litres)	7.8 gallons (29.6 litres)	2 gallons (7.6 litres)	22.8 ounces (674 mls)

* After adding Part B, stir solution until completely mixed. If solution is cloudy, continue stirring until solution is clear.

To Prepare a Working Solution

- Use the splash guard to avoid contamination of the developer with fixer.
- Maintain the operating temperatures and the chemical replenishment rates recommended in *Processing Recommendations for KODAK X-OMAT Processors, KODAK X-OMAT Multiloaders, and KODAK MIN-R Mammography Processors, (Service Bulletin 30)*.

Note: When filling the processor with both developer and fixer solutions, fill the fixer tank *first*.

Step	Action
1	Place the splash guard between the developer and fixer tanks.
2	Remove the fixer rack.
3	Fill the fixer tank to the fill line.
4	Replace the fixer rack.

Additional Information

MSDS

Material Safety Data Sheets are available online via the [MSDS Search Page](#).

Storage and Handling

[Click Here](#) for Storage and Handling Conditions for KODAK Medical Processing Chemicals.

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Note: *Technical Information Bulletins provide information of limited or specific application. Responsibility for judging the applicability of the information for a specific use rests with the end user.*