Choosing the Right Chemicals for Your Minilab

This publication describes KODAK Chemicals designed specifically for minilabs. It provides recommended cycles for processing the following films with KODAK FLEXICOLOR Chemicals in Processes C-41RA, C-41B, and C-41*:

KODAK ROYAL GOLD Films

KODAK GOLD Films

KODAK MAX Films

KODAK Black & White + 400 Film

KODAK ADVANTIX 100, 200, and 400 Films

KODAK ADVANTIX Black & White + 400 Film

KODAK PROFESSIONAL SUPRA Films

KODAK PROFESSIONAL PORTRA Films

It also includes the recommended cycles for processing KODAK EKTACOLOR Papers with KODAK EKTACOLOR PRIME SP, EKTACOLOR PRIME, and EKTACOLOR RA Chemicals for Process RA-4.

For decades, Kodak has been designing and manufacturing films, papers, and chemicals that reduce the impact of photoprocessing on the environment. KODAK EKTACOLOR PRIME SP Developer Replenisher is a new developer for EKTACOLOR Papers that offers even more beneficial features. Formulated in a single part, it is convenient and easy to use. Intended for minilabs with average to high utilization, it will give consistent print quality with less effluent discharged and less packaging waste than KODAK EKTACOLOR PRIME Developer Replenisher. (See *CHOOSING A PAPER PROCESS* for more information on the availability and features of this new product.)

Although your choice of chemicals may be limited by your minilab's design and its level of utilization, choosing the chemicals recommended in this publication ensures that you are using chemicals that provide optimum results with the smallest possible environmental impact. We continue to develop new products that will further reduce chemical use and discharge.

CHOOSING A FILM PROCESS

To determine which chemicals to use for your film process, locate the process cycle that best matches the sequence of processing steps and process times of your minilab. The following section describes the three basic process cycles for films, and includes a listing of the appropriate KODAK FLEXICOLOR Chemicals for each cycle. You can use any of these cycles with or without a wash step. If you select a washless cycle, carefully follow the recommendations in the footnotes.

Note: This publication does not discuss KODAK FLEXICOLOR SM and EKTACOLOR SM Chemicals, which are designed for use only in specific minilabs. For detailed information on these chemicals, see KODAK Publication No. Z-101, *Using KODAK SM Chemicals in SM Minilabs*.

Use the cycles in this publication as guides. You may have to modify a cycle slightly to suit the design of your processor. The replenishment rates for each cycle are intended for a typical mix of Kodak color negative films. For more detailed information, see KODAK Publication No. Z-100, *Using KODAK Chemicals in Minilabs*, or Z-131, *Using KODAK FLEXICOLOR Chemicals.*

* Do not process films of older design that require a stabilizing agent for image stability in minilab processes using KODAK FLEXICOLOR Final Rinse and Replenisher. These films are KODAK VERICOLOR III Film, VERICOLOR Slide Film / SO-279/5072, and VERICOLOR Print Film 4111. Process these films only in a processor that uses FLEXICOLOR Stabilizer III and Replenisher.

Process C-41RA

This film process cycle is the shortest of the Process C-41 cycles, and the one most commonly used in minilabs. You must use KODAK FLEXICOLOR RA Bleach Replenisher NR and KODAK FLEXICOLOR RA Fixer and Replenisher in this cycle.

Process C-41RA requires special equipment that accommodates the shorter solution times, and the processor must provide higher agitation in the bleach, fixer, and final rinse. Check with your minilab manufacturer to determine if your processor meets Process C-41RA specifications.

Although Process C-41RA is intended to be a washless cycle, you can use it with a processor that includes a final wash if it meets the time and agitation requirements.

Process C-41RA Cycle

Solution/Step	Time* min:sec	Temperature °C (°F)
FLEXICOLOR Developer Replenisher LORR	3:15	37.8 ± 0.15 (100.0 ± 0.25)
FLEXICOLOR RA Bleach Replenisher NR†	1:00	38 ± 3 (100 ± 5)
FLEXICOLOR RA Fixer and Replenisher‡	1:30 to 2:00	38 ± 3 (100 ± 5)
FLEXICOLOR Final Rinse and Replenisher§	1:00	38 ± 3 (100 ± 5)
Dry	As needed	40 to 68 (104 to 155)

* Immersion time plus crossover time to the next tank. Bleach, fixer, and final rinse times are minimums; longer times are acceptable.

† Use only KODAK FLEXICOLOR RA Bleach Replenisher NR. Your equipment must provide the higher agitation required for this solution.

‡ Use only KODAK FLEXICOLOR RA Fixer and Replenisher. Use two countercurrent-flow fixer tanks with equal times in both tanks (0:45 to 1:00 in each tank). Your equipment must provide the higher agitation required for this solution.

§ Use three countercurrent-flow final rinse tanks with equal times in all tanks (0:20). Your equipment must provide the higher agitation required for this solution. Replenish the third final rinse tank at 40 mL/135-24 roll (36 mL/m). If your processor has two countercurrent-flow final rinse tanks followed by a single tank, replenish the second countercurrent tank at 40 mL/135-24 roll (36 mL/m) and the single tank at 20 mL/135-24 roll (18 mL/m). For minilabs with a final wash after the fixer, use a wash time of 1:40 and reduce the final rinse time to 40 seconds. Use a wash rate of 1250 mL/135-24 roll (330 mL/ft) for a two-stage countercurrent-flow wash. Double this rate for a single wash. Use a final rinse replenishment rate of 33 mL/135-24 roll.

Starting-Point Replenishment Rates—Process C-41RA

Solution	Starting-Point Replenishment Rate	
	mL/135-24 Roll (mL/m)	mL/25-Exp ADVANTIX Film (mL/m)*
FLEXICOLOR Developer Replenisher LORR	19 (17)	11.1 (10.2)
FLEXICOLOR RA Bleach Replenisher NR	5 (4.5)	3.4 (3.1)
FLEXICOLOR RA Fixer and Replenisher	35 (32)	24 (22)
FLEXICOLOR Final Rinse and Replenisher	40 (36)	27 (25)

* These rates are averages based on an estimated film-speed mix in 25-exposure rolls of KODAK ADVANTIX Films.

Process C-41B

The primary feature of this cycle is that it is shorter than the standard Process C-41 cycle. It eliminates both washes and uses a shorter fixer time. Most minilabs that use Process C-41B use the washless version. However, if your minilab includes a final wash, see footnote §, below.

Process C-41B Cycle

Solution/Step	Time* min:sec	Temperature °C (°F)
FLEXICOLOR Developer Replenisher LORR	3:15	37.8 ± 0.15 (100.0 ± 0.25)
FLEXICOLOR Bleach III NR Replenisher	3:00 to 4:20	38 ± 3 (100 ± 5)
FLEXICOLOR Fixer and Replenisher†	4:00 to 4:20	38 ± 3 (100 ± 5)
FLEXICOLOR Final Rinse and Replenisher‡,§	2:20	38 ± 3 (100 ± 5)
Dry	As needed	40 to 68 (104 to 155)

* Immersion time plus crossover time to the next tank. Bleach, fixer, and final rinse times are minimums; longer times are acceptable.

† Use two countercurrent-flow fixer tanks with equal times in both tanks (2:00 to 2:10 in each tank).

‡ Use three countercurrent-flow final rinse tanks with equal times in all tanks (0:47 in each tank).

§ If your minilab uses a final wash, also install a wash between the fixer and final rinse with a wash time of 1:40. Reduce the final rinse time to 40 seconds, and use a replenishment rate of 35 mL/135-24 roll (32 mL/m). Use a wash-flow rate of 1250 mL/135-25 roll (1080 mL/m) for a two-stage countercurrent wash or 2500 mL/135-24 roll (2160 mL/m) for a single-stage wash.

Starting-Point Replenishment Rates—Process C-41B

Solution	Starting-Point Replenishment Rate	
	mL/135-24 Roll (mL/m)	mL/25-Exp ADVANTIX Film (mL/m)*
FLEXICOLOR Developer Replenisher LORR	19 (17)	11.1 (10.2)
FLEXICOLOR Bleach III NR Replenisher	5 (4.5)	3.4 (3.1)
FLEXICOLOR Fixer and Replenisher	35 (32)	24 (22)
FLEXICOLOR Final Rinse and Replenisher	40 (36)	27 (25)

* These rates are averages based on an estimated film-speed mix in 25-exposure rolls of KODAK ADVANTIX Films.

Process C-41

This process cycle is sometimes used in older minilabs. It most commonly includes water washes. To use the washless version of this cycle, follow the recommendations in the second footnote under the table.

Process C-41 Cycle

Solution/Step	Time* min:sec	Temperature °C (°F)
FLEXICOLOR Developer Replenisher LORR	3:15	37.8 ± 0.15 (100.0 ± 0.25)
FLEXICOLOR Bleach III NR Replenisher	4:20 to 6:30	38 ± 3 (100 ± 5)
Wash†	1:00 to 3:15	24 to 41 (75 to 105)
FLEXICOLOR Fixer and Replenisher‡	4:20 to 6:30	38 ± 3 (100 ± 5)
Wash†	2:10 to 3:15	24 to 41 (75 to 105)
FLEXICOLOR Final Rinse and Replenisher	1:05	24 to 41 (75 to 105)
Dry	As needed	40 to 68 (104 to 155)

* Immersion time plus crossover time to the next tank. Bleach, fixer, and final rinse times are minimums; longer times are acceptable.

† Use a two-stage countercurrent-flow wash. For a single-stage wash, double the replenishment rate.

If your minilab uses a final rinse step *instead of* a final wash, eliminate both washes. Use three countercurrent-flow final rinse tanks with a minimum final rinse time of 2:20 (0:47 in each tank). Use a final rinse temperature of 38 ± 3°C (100 ± 5°F) and a replenishment rate of 40 mL/135-24 roll (36 mL/m).

‡ Use two countercurrent-flow fixer tanks with equal times in both tanks (2:10 to 3:15).

Starting-Point Replenishment Rates—Process C-41

Solution/Step	Starting-Point Replenishment Rate	
	mL/135-24 Roll (mL/m)	mL/25-Exp ADVANTIX Film (mL/m)*
FLEXICOLOR Developer Replenisher LORR	19 (17)	11.1 (10.2)
FLEXICOLOR Bleach III NR Replenisher	5 (4.5)	3.4 (3.1)
Wash	1250 (1080)†	850 (734)†
FLEXICOLOR Fixer and Replenisher	35 (32)	24 (22)
Wash	1250 (1080)†	850 (734)†
FLEXICOLOR Final Rinse and Replenisher	35 (32)‡	27 (25)‡

* These rates are averages based on an estimated film-speed mix in 25-exposure rolls of KODAK ADVANTIX Films.

† For a two-stage countercurrent-flow wash. Double this rate for a single-stage wash.

‡ If your minilab uses a final rinse *instead of washes,* use a replenishment rate of 40 mL/135-24 roll (36 mL/m) or 27 mL/25-exposure roll (25 mL/m) of ADVANTIX Film.

Monitoring Your Film Process

Use KODAK Control Strips, Process C-41, to monitor your film process. Follow the procedures described in KODAK Publication No. Z-100, *Using KODAK Chemicals in Minilabs,* or Z-131, *Using KODAK FLEXICOLOR Chemicals.*

CHOOSING A PAPER PROCESS

KODAK EKTACOLOR PRIME SP Developer Replenisher is a new paper developer that is replacing the following products:

KODAK EKTACOLOR PRIME Developer Replenisher

KODAK EKTACOLOR PRIME Developer Replenisher LORR

KODAK EKTACOLOR PRIME Developer Regenerator

Because the new developer will not be available in all regions at the same time, this publication includes recommendations for EKTACOLOR PRIME SP Developer Replenisher and the products it will replace.

Most minilabs have been able to use EKTACOLOR PRIME Chemicals and realize cost savings and reductions in processing-solution waste. EKTACOLOR PRIME SP Developer Replenisher offers even greater advantages: easier mixing with a single-part concentrate, further reductions in replenishment rates and effluents for users of EKTACOLOR PRIME Developer Replenisher, and less packaging waste. (For information about converting, see *Converting to KODAK EKTACOLOR PRIME SP Developer Replenisher*.)

If your lab operates at low utilization or if your equipment has a roller-transport design, KODAK EKTACOLOR RA Developer Replenisher RT will continue to provide the best process performance.

Before choosing a Process RA-4 cycle, it is important to understand processor utilization and the level of operation of your minilab paper processor.

Processor Utilization

Utilization is a way of expressing how much of your processor's capacity is used. If your processor utilization is low, oxidation and evaporation will affect the activity of your processing solutions.

The simplest way to determine your processor utilization is to measure "tank turnovers" of your developer tank solution. One tank turnover is the point at which the volume of replenisher added to the tank equals the volume of the processor tank.

EKTACOLOR PRIME SP Developer Replenisher is designed for minilabs that have average to high utilization, i.e., a developer tank turnover occurs at least once every four weeks. If your paper processor operates at low utilization—i.e., it takes longer than four weeks for a developer tank turnover to occur—you should use KODAK EKTACOLOR RA Developer Replenisher RT and EKTACOLOR RA Bleach-Fix and Replenisher. These chemicals contain more preservative and are replenished at a higher rate to minimize the effects of low utilization.

To determine the option that is suitable for your minilab, use the information in the following charts. To use these charts, you need to know the number of prints you process each week. Utilization is based on a 10-percent makeover rate and a six-day work week.

Developer Options for Process RA-4 Based on Processor Utilization

Tank Volume (Litres) \ 4 x 6 - inch (102 x 152 cm) prints per day:	125	250	375	500	750	1000	1250	1875	2500
5		SP	SP	SP	SP	SP	SP	SP	SP
10			SP	SP	SP	SP	SP	SP	SP
15			SP	SP	SP	SP	SP	SP	SP
20				SP	SP	SP	SP	SP	SP
25				SP	SP	SP	SP	SP	SP
30					SP	SP	SP	SP	SP
40						SP	SP	SP	SP
50							SP	SP	SP

EKTACOLOR RA Developer Replenisher RT

SP EKTACOLOR PRIME SP Developer Replenisher (New)

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If EKTACOLOR PRIME SP Developer Replenisher is not yet available in your country, use the table and products below:

Tank Volume (Litres) \ 4 x 6 - inch (102 x 152 cm) prints per day:	125	250	375	500	750	1000	1250	1875	2500
5				*	*	*	*	*	*
10					*	*	*	*	*
15						*	*	*	*
20						*	*	*	*
25							*	*	*
30								*	*
40								*	*
50									*

EKTACOLOR RA Developer Replenisher RT

EKTACOLOR PRIME Developer Replenisher

* EKTACOLOR PRIME Developer Replenisher
or
EKTACOLOR PRIME Developer Replenisher LORR

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Note: If you use EKTACOLOR PRIME Developer Replenisher, use EKTACOLOR PRIME Bleach-Fix Replenisher. If your processor operates at low utilization, use EKTACOLOR RA Developer Replenisher RT and EKTACOLOR RA Bleach-Fix and Replenisher.

Process RA-4 Cycle—Average Utilization

This cycle is appropriate for processors with average utilization—i.e., a developer tank turnover occurs at least once every four weeks.

Solution/ Step	Time* min:sec	Temperature °C (°F)	Starting-Point Replenishment Rate mL/m² (mL/ft²)
EKTACOLOR PRIME SP Developer Replenisher† **or** EKTACOLOR PRIME Developer Replenisher	0:45	37.8 ± 0.3 (100.0 ± 0.5)	108 (10) 161 (15)
EKTACOLOR PRIME Bleach-Fix Replenisher	0:45	30 to 36 (86 to 97)	108 (10)
EKTACOLOR PRIME Stabilizer and Replenisher‡	1:30	30 to 37 (86 to 99)	248 (23)
Dry	As needed	Not over 96 (205)	

* Immersion time plus crossover time to the next tank. For best results, use the recommended times with crossover times of 6 seconds or less.

† This developer may not yet be available in your country. If not, use EKTACOLOR PRIME Developer Replenisher in a processor with average utilization.

‡ Use four countercurrent-flow stabilizer tanks with equal times in all tanks (0:23 in each tank). With three countercurrent-flow tanks, use a replenishment rate of 495 mL/m² (46 mL/ft²); with two countercurrent-flow tanks, use 970 mL/m² (90 mL/ft²).

If your minilab uses a countercurrent-flow wash instead of a stabilizer, use a wash-water temperature of 30 to 40°C (86 to 104°F). For wash times of 1:30 or longer, the wash-flow rate should be between 2160 and 10,800 mL/m² (200 and 1000 mL/ft²). The actual rate depends on the number of tanks and the wash time (see KODAK Publication No. Z-100, *Using KODAK Chemicals in Minilabs,* or Z-130, *Using KODAK EKTACOLOR RA Chemicals*).

Process RA-4 Cycle—High Utilization

This cycle is appropriate for processors with high utilization—i.e., a developer tank turnover occurs at least once every two weeks.

Solution/ Step	Time* min:sec	Temperature °C (°F)	Starting-Point Replenishment Rate mL/m² (mL/ft²)
EKTACOLOR PRIME SP Developer Replenisher† **or** EKTACOLOR PRIME Developer Replenisher LORR	0:45	37.0 ± 0.3 (100.0 ± 0.5)	108 (10)
EKTACOLOR RA 100 Bleach-Fix and Replenisher‡	0:45	30 to 36 (86 to 97)	54 (5)
EKTACOLOR PRIME Stabilizer and Replenisher§	1:30	30 to 37 (86 to 99)	248 (23)
Dry	As needed	Not over 96 (205)	

* Immersion time plus crossover time to the next tank. For best results, use the recommended times with crossover times of 6 seconds or less.

† This developer may not yet be available in your country. If not, use EKTACOLOR PRIME Developer Replenisher LORR in a processor with high utilization.

‡ This product will be renamed KODAK EKTACOLOR PRIME Bleach-Fix Replenisher LORR.

§ Use four countercurrent-flow stabilizer tanks with equal times in all tanks (0:23 in each tank). With three countercurrent-flow tanks, use a replenishment rate of 495 mL/m² (46 mL/ft²); with two countercurrent-flow tanks, use 970 mL/m² (90 mL/ft²).

If your minilab uses a countercurrent-flow wash instead of a stabilizer, use a wash-water temperature of 30 to 40°C (86 to 104°F). For wash times of 1:30 or longer, the wash-flow rate should be between 2160 and 10,800 mL/m² (200 and 1000 mL/ft²). The actual rate depends on the number of tanks and the wash time (see KODAK Publication No. Z-100, *Using KODAK Chemicals in Minilabs*, or Z-130, *Using KODAK EKTACOLOR RA Chemicals*).

Process RA-4 Cycle—Low Utilization

This cycle is appropriate for processors with low utilization—i.e., a developer tank turnover requires longer than four weeks.

Solution/ Step	Time* min:sec	Temperature °C (°F)	Starting-Point Replenishment Rate mL/m² (mL/ft²)
EKTACOLOR RA Developer Replenisher RT	0:45	35 ± 0.3 (95 ± 0.5)	215 (20)
EKTACOLOR RA Bleach-Fix and Replenisher	0:45	30 to 36 (86 to 97)	215 (20)
EKTACOLOR PRIME Stabilizer and Replenisher†	1:30	30 to 37 (86 to 99)	248 (23)
Dry	As needed	Not over 96 (205)	

* Immersion time plus crossover time to the next tank. For best results, use the recommended times with crossover times of 6 seconds or less.

† Use four countercurrent-flow stabilizer tanks with equal times in all tanks (0:23 in each tank). With three countercurrent-flow tanks, use a replenishment rate of 495 mL/m² (46 mL/ft²); with two countercurrent-flow tanks, use 970 mL/m² (90 mL/ft²).

If your minilab uses a countercurrent-flow wash instead of a stabilizer, use a wash-water temperature of 30 to 40°C (86 to 104°F). For wash times of 1:30 or longer, the wash-flow rate should be between 2160 and 10,800 mL/m² (200 and 1000 mL/ft²). The actual rate depends on the number of tanks and the wash time (see KODAK Publication No. Z-100, *Using KODAK Chemicals in Minilabs*, or Z-130, *Using KODAK EKTACOLOR RA Chemicals*).

Converting to KODAK EKTACOLOR PRIME SP Developer Replenisher

Before converting to EKTACOLOR PRIME SP Developer Replenisher, use all of your current stock of EKTACOLOR PRIME Developer Replenisher (and EKTACOLOR PRIME Developer Regenerator) or EKTACOLOR PRIME Developer Replenisher LORR. You *do not* need to dump your current working tank solution.

When you begin to use EKTACOLOR PRIME SP Developer Replenisher to replenish your existing developer tank solution, adjust your replenishment rate to the appropriate setting in the following table. If you currently use EKTACOLOR PRIME Developer Replenisher LORR, you *do not* need to adjust your replenishment rate.

Current Developer Solution	Current Replenishment Rate				Replenishment Rate with PRIME SP Developer Replenisher			
	mL/ m²	mL/ ft²	mL/ m*	mL/ ft†	mL/ m²	mL/ ft²	mL/ m*	mL/ ft†
PRIME Developer Replenisher and Developer Regenerator	161	15	20.5	6.3	108	10	13.7	4.17
PRIME Developer Replenisher LORR	108	10	13.7	4.17				

* Normally, mL per linear metre of paper 127 mm (5 in.) wide.

† Normally, mL per linear foot of paper 127 mm (5 in.) wide.

Note: If your process is in control with EKTACOLOR PRIME Developer Replenisher, you can also calculate the replenishment rate for EKTCOLOR PRIME SP Developer Replenisher by multiplying your current rate by 0.67. Then, reset the rate (or pump setting) to the new rate. If you need help adjusting the replenishment rate, contact your minilab manufacturer.

Monitoring Your Paper Process

Use KODAK Control Strips, Process RA-4, to monitor your paper process. Follow the procedures described in KODAK Publication No. Z-100, *Using KODAK Chemicals in Minilabs*, or Z-130, *Using KODAK EKTACOLOR RA Chemicals*.

KODAK CHEMICALS FOR YOUR FILM PROCESSOR

KODAK FLEXICOLOR Chemicals are supplied as all-liquid concentrates for easy mixing. They are available in sizes that are economical and convenient for minilabs. For more information on processing with these chemicals, visit **www.kodak.com/go/photochemicals**.

KODAK FLEXICOLOR Developer Replenisher LORR

This developer has low replenishment rates that help reduce developer effluent discharge by as much as 50 percent. Lower replenishment rates mean less chemical mixing and lower cost per roll of film processed. Use *only* FLEXICOLOR Developer Starter LORR to prepare a fresh tank solution with FLEXICOLOR Developer Replenisher LORR.
Available in sizes to make 5 and 10 litres and 25 U.S. gallons (two 12.5-gallon sizes).

KODAK FLEXICOLOR Developer Starter LORR

Use this starter to prepare a fresh tank solution from FLEXICOLOR Developer Replenisher LORR.
Available in a size to prepare 8.3 U.S. gallons of developer tank solution from developer replenisher.

KODAK FLEXICOLOR Bleach III NR Replenisher

For use in minilabs using Process C-41B or C-41, this bleach offers reduced cost per roll of film and reduced replenishment rates and volume of effluent discharged. It requires no mixing; it is packaged ready to use. Use FLEXICOLOR Bleach Starter to prepare a fresh tank solution.
Available in a 5-litre size.

KODAK FLEXICOLOR RA Bleach Replenisher NR

This bleach is designed for use in minilabs that use Process C-41RA. It requires no mixing; it is packaged ready to use. This bleach is also odorless. Use FLEXICOLOR Bleach Starter to prepare a fresh tank solution.
Available in a 5-litre size.

KODAK FLEXICOLOR Bleach Starter

Use this starter to prepare a bleach tank solution with FLEXICOLOR Bleach III NR Replenisher or FLEXICOLOR RA Bleach Replenisher NR. This product is odorless, non-corrosive, and non-foaming for easy use.
Available as a 1-gallon concentrate to make 20 U.S. gallons of Bleach III NR tank solution or 8.3 U.S. gallons of RA Bleach NR tank solution.

KODAK FLEXICOLOR Fixer and Replenisher

Use this fixer for Process C-41 or C-41B.
Available in sizes to make 5 litres and 5 and 25 U.S. gallons.

KODAK FLEXICOLOR RA Fixer and Replenisher

This fixer is designed for use in minilabs that use Process C-41RA.
Available in sizes to make 5 and 10 litres.

KODAK FLEXICOLOR Final Rinse and Replenisher

This final rinse is designed with state-of-the-art surfactants to reduce deposits and drying marks on processed color negative films. It also reduces the potential for biological growth in the mixed solution. This means less maintenance and less frequent dumping of working tanks. Because the new final rinse contains no stabilizing agent, labs will not need to provide formaldehyde training or do the associated record keeping required by OSHA guidelines. You can use the final rinse in minilabs that operate with a wash or a washless cycle.

Note: Do not process films of older design that require a stabilizing agent for image stability. **These films are KODAK VERICOLOR III Film, VERICOLOR Slide Film / SO-279/5072, and VERICOLOR Print Film 4111.** Process these films only in a processor that uses FLEXICOLOR Stabilizer III and Replenisher. Films of more recent design, such as KODAK GOLD, MAX, ROYAL GOLD, PROFESSIONAL PORTRA, PROFESSIONAL EKTAPRESS, and PROFESSIONAL SUPRA Films require no stabilization for image stability. They will have optimum image-stability performance when processed with FLEXICOLOR Final Rinse and Replenisher.

Available in sizes to make 5 and 10 litres and 12.5 and 75 U.S. gallons.

KODAK CHEMICALS FOR YOUR PAPER PROCESSOR

These chemicals are supplied as all-liquid concentrates for easy mixing and handling. They are available in sizes that are convenient and economical for minilabs.

KODAK EKTACOLOR PRIME SP Developer Replenisher

This new developer replenisher is designed for minilabs with average to high utilization. Supplied as a single-part concentrate, it offers easy and convenient mixing. Replenishment rates are significantly lower than those of EKTACOLOR PRIME Developer Replenisher.
Available in sizes to prepare 10 litres and 20 gallons (two 10-gallon mixes) of replenisher solution.

Note: EKTACOLOR PRIME SP Developer Replenisher will replace EKTACOLOR PRIME Developer Replenisher, EKTACOLOR PRIME Developer Replenisher LORR, and EKTACOLOR PRIME Developer Regenerator. The discontinuance of these three products will occur at different times in different regions.

KODAK EKTACOLOR PRIME Developer Replenisher

If new EKTACOLOR PRIME SP Developer Replenisher is not yet available in your region, use this developer if your minilab processor has a developer tank turnover every four weeks (or more frequently).
Available in sizes to prepare 10 litres and 25 gallons (two 12.5-gallon mixes) of solution.

KODAK EKTACOLOR PRIME Developer Replenisher LORR
If new EKTACOLOR PRIME SP Developer Replenisher is not yet available in your region, use this developer if your minilab consistently operates at high utilization, i.e., a developer tank turnover occurs at least once every two weeks.
Available in sizes to prepare 10 litres and 25 gallons (two 12.5-gallon mixes) of replenisher solution.

KODAK EKTACOLOR PRIME Developer Regenerator
If new EKTACOLOR PRIME SP Developer Replenisher is not yet available in your region, your can use this regenerator to regenerate and reuse EKTACOLOR PRIME Developer overflow.
Available in sizes to prepare 10 litres and 25 gallons of replenisher solution from developer overflow.

KODAK EKTACOLOR RA Developer Replenisher RT
If your minilab takes longer than four weeks for a tank turnover, use this developer.
Available in sizes to prepare 5 and 10 litres and 25 gallons.

KODAK EKTACOLOR RA Developer Starter
To make developer tank solutions, mix this starter with KODAK EKTACOLOR PRIME SP Developer Replenisher, EKTACOLOR PRIME Developer Replenisher, EKTACOLOR PRIME Developer Replenisher LORR, or EKTACOLOR RA Developer Replenisher RT according to the directions on the starter label.

KODAK EKTACOLOR PRIME Bleach-Fix Replenisher
Use this bleach-fix if you use EKTACOLOR PRIME SP or PRIME Developer Replenisher. The replenishment rate with this bleach-fix is 50 percent lower than the rate for EKTACOLOR RA Bleach-Fix and Replenisher.
Available in sizes to prepare 10 litres and 12.5 gallons of solution.

KODAK EKTACOLOR RA 100 Bleach-Fix and Replenisher
You can use this bleach-fix if your processor has a tank turnover at least every four weeks. The replenishment rate is 75 percent lower than that of EKTACOLOR RA Bleach-Fix. This product will be renamed KODAK EKTACOLOR PRIME Bleach-Fix Replenisher LORR.
Available in sizes to prepare 5 litres and 5 gallons of solution.

KODAK EKTACOLOR RA Bleach-Fix and Replenisher
If it takes more than four weeks to turn over the bleach-fix tank solution, use this replenisher. Dilute this concentrate to prepare a tank or replenisher solution.
Available in sizes to prepare 5 and 10 litres and 25 gallons of solution.

KODAK EKTACOLOR PRIME Stabilizer and Replenisher
Use this stabilizer in place of a final wash in washless minilabs.
Available in sizes to prepare 5 and 10 litres and 12.5 gallons of solution.

MORE INFORMATION

For the latest version of technical support publications for KODAK Products, visit Kodak on-line at:
http://www.kodak.com
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