



**SUPPLY CATALOGUE**

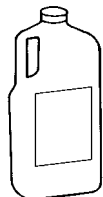




***The Mark of Quality & Proven Reliability***

# PRODUCT COMPARISON

## Conventional 3-Part Developer

To appreciate the advantages of **FR 2-Part Developer**, it is helpful to first look at the structure of a typical 3-Part Developer. As you can see from the schematic, parts “B & C” of a typical 3-part Developer are corrosive and pose risks to skin, eyes and lungs, as evidenced by the OSHA PEL, the recommended maximum exposure level for a period of 10 minutes or less.

	PART A	PART B	PART C
<b>3-Part Developer</b>			
<b>Contains:</b>	Primary Developing Agents, Sulfites, Buffers	Secondary Developing Agents, Acetic Acid 60-80%	Glutaraldehyde
<b>Hazard Class:</b>	Non-Hazardous	Corrosive	Corrosive
<b>OSHA PEL:</b>	Non-Applicable	5 PPM	.02 PPM

## 2-Part Formulation

In contrast, **FR 2-Part Developer** does not use any acetic acid. In fact, its unique 2-part formulation completely eliminates the traditional Part “B” by utilizing more advanced secondary developing agents, which due to their increased solubility and stability, can be combined with the primary developing agents. Also, we have replaced the traditional hardener, glutaraldehyde, with a chemical complex that is not a hazard to skin or lung tissue.



	FR Developer Part 1	FR Developer Part 2
<b>Contains:</b>	Primary & Secondary Developing Agents, Sulfites, Buffers	Glutaraldehyde-bis-potassium bisulfite
<b>Hazard Class:</b>	Non-Hazardous	Non-Hazardous
<b>OSHA PEL:</b>	Non-Applicable	Non-Applicable

As you can see, both **FR Developer Part 1 and Part 2** are non-corrosive and non-hazardous. The OSHA PEL Limits for these products are “non-applicable”, meaning that there is no known exposure risk.

# High Quality Automatic X-Ray Developers

Formulated for optimum image quality, incorporates important health, safety and environmental benefits

Low Odor  
Use with all automatic processors  
Non-Hazardous & Non-Corrosive

Quick Easy Mixing  
Clean working 2-part formulation  
Eliminates Hazmat shipping charges



## HiC-ES Kodak RP Equivalent Developer & Replenisher

A unique two-part developer concentrate that delivers outstanding diagnostic quality and is ideal for mixed film environments. A multi-purpose performer with all brands of medical imaging films and compatibility with all processing cycles (45, 90 & 180 seconds). Optimum image contrast, coupled with a highly desired blue image tone, results in excellent visualization of subject detail.

Catalogue # 44-505  
Catalogue # 44-504 ES  
Catalogue # 42-774

Makes 4 Gallons  
Makes 10 Gallons  
Makes 200 Gallons



## ECO Plus Medium Activity Developer & Replenisher

A multi-purpose performer with all brands of medical imaging films, including Agfa, Fuji, Kodak & Konica. The unique two-part developer concentrate is formulated to deliver medium activity while providing consistent diagnostic quality with both general medical and laser imaging films. Complete compatibility with 90 & 180 second processing cycles.

Catalogue # 44-506  
Catalogue # 42-776

Makes 10 Gallons  
Makes 200 Gallons



## MR 2 Mammography Developer & Replenisher

Formulated as a high activity developer, enhanced contrast and optimum speed is achieved with Agfa HDR-C and HDR-C Plus, Fuji AD-M, Kodak MR 2000 and Konica CM-H films.

Ideal for both dedicated and non-dedicated environments. The two-part formulation is non-corrosive and non-hazardous.

Catalogue # 44-508

Makes 10 Gallons

## MED-DENT Pre-Mixed Developer & Fixer

**Med-Dent** solutions have been specifically designed to yield the highest viewbox quality with all brands of Medical and Dental X-Ray films, while providing pre-mixed user convenience. Complete compatibility with all processing cycles and a top performer in self-contained closed loop systems. Acetic acid free developer formula provides reduced odor. A specially formulated fixer formula further reduces chemical odor.

Catalogue # 2500DF	2 each - 1 Gallon Developer bottles 2 each - 1 Gallon Fixer bottles
Catalogue # 2501D	4 each - 1 Gallon Developer bottles
Catalogue # 2502F	4 each - 1 Gallon Fixer bottles



## MF II Universal Fixer Replenisher

This premium universal fixer is a two-part high performance fixer concentrate formulated to deliver rapid film drying and minimize emulsion pickoff. It is suitable for RP, extended and manual processing and provides complete compatibility with all brands of general diagnostic, laser and mammography imaging films.

Extended chemical stability coupled with consistent batch to batch quality ensures optimal quality. Low hypo retention provides excellent archival characteristics. Compatible with a wide variety of silver recovery methods.

Catalogue # 44-602	Makes 4 Gallons (2 x 26 oz Bottles / 2 x 6 oz Bottles)
Catalogue # 44-640	Makes 10 Gallons (2 x 1 gal Bottles / 2 x 16 oz Bottles)
Catalogue # 42-798-300	Makes 300 Gallons (1 - 55 gal Drum / 2 x 3.8 gal)



## Manual (Hand Tank) Long Life Developer & Replenisher

Ideal for low volume medical and dental imaging. A long tank life is achieved by an exclusive controlled resistance system.

- For use as a developer, one part of concentrate is diluted with four parts of water.
- For use as a replenisher, one part of concentrate is diluted with three parts of water.

The non-corrosive & non-hazardous formulation eliminates transportation surcharges.

Catalogue # 710810	Makes 6 x 1 Gallons (6 x 26 oz Bottles)
Catalogue # 710820	Makes 4 x 5 Gallons (4 x 1 gal Bottles)



## Also Available Through FR Chemical

### White Mountain Imaging - Film Specific Mammography Developers



#### **T<sub>2</sub> - AG Developer**

A high activity, film specific mammography developer, which achieves optimum contrast with Agfa HDR-C and Agfa HDR-C Plus films in both standard and extended processing applications. State of the art design assures the cleanliness and sensitometric stability.

- Also Recommended for Agfa MR-5 II and Agfa HT
- Suitable for standard and extended processing

Catalogue # 4010D-AG

Makes 10 Gallons



#### **T<sub>2</sub> - EX Developer**

Specifically designed to provide the highest contrast, without sacrificing detail while maintaining minimum patient exposure with Kodak Min-R 2000 film. Like all T<sub>2</sub> Developers, T<sub>2</sub>-EX is non-corrosive and non-hazardous.

- Suitable for standard and extended processing

Catalogue # 4010D-EX

Makes 10 Gallons



#### **T<sub>2</sub> - ADM Developer**

Rounds out the family of film specific mammography developers. Formulated to achieve optimum imaging characteristics with Fuji AD-M and Fuji UM-MA mammography film. It is clean working and sensitometrically stable.

- Suitable for standard and extended processing

Catalogue # 4010D-ADM

Makes 10 Gallons

#### **VERSACLEAN Developer Systems Cleaner**

A superior cleaner, Versaclean is environmentally safe, easy to use and requires no special procedures. Prior to discharging, check with your local authorities for any additional regulations that may be applicable in your community.

Catalogue # 11-030

Makes up to 12 Gallons

#### **VERSACLEAN Fixer Systems Cleaner**

This Non-Chromate concentrate systems cleaner is ready-to-use and environmentally safe.

Catalogue # 11-035

4 x 1 gallon per case  
Makes up to 12 gallons

#### **Developer Starter**

FR Starter has a neutral pH and may be used with all x-ray developers. For general medical x-ray films use 1.6 oz per gallon. (3.2 oz for Kodak and Agfa Mammography film).

Catalogue # 42-900

6 x 1 quart per case

# IS-199 Chemical Mixer

Applications include:

- Medical X-Ray
- Industrial X-Ray
- Graphic Arts
- Microfilm

A unique combination of features make this unit the "Mixer of Choice" for both the user and the service representative. The specific gravity mixing system allows the user to start a fresh chemical mix at any time. The mixer responds to the addition of concentrated chemicals and adds the correct amount of water automatically.

All electronic components have been chosen for dependability. Straightforward circuit design eliminates the need for circuit boards thereby increasing reliability. The low level warning system indicates when the solution is 2.0 gallons or less. The warning system resets automatically when the user initiates a 5 or 10 gallon mix.

Catalogue # Standard 19946-SS  
Space Saver 19945



## FEATURES

- Specific Gravity Mixing System
- Rugged Field Tested Components
- 24 Volt Operation
- Audible/Visible Low Level Warning
- Easy-to-Use Service Design
- UL/CSA Approved External Power Supply
- 120 Volts

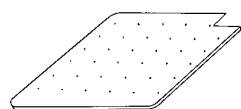
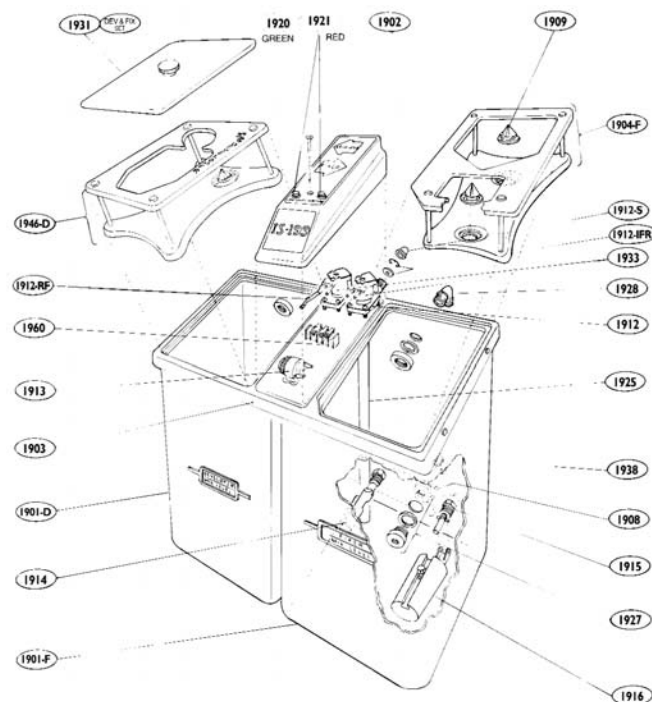
Dimensions:

Standard Model: 30"H x 24"W x 12"D  
Space Saver: 21"H x 24"W x 12"D

Capacity:

Standard: 12.5 Gallon Developer & Fixer  
Space Saver: 7.5 Gallon Developer & Fixer

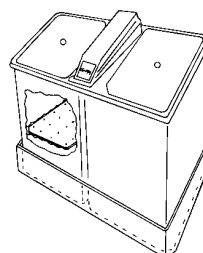
Operating Range: 18 - 125 p.s.i. Water Pressure



### Floating Lid

The IS-199 Floating Lid is designed to extend developer life by reducing aerial oxidation. The IS-199 Floating Lid is especially useful in low volume situations where premature oxidation may occur.

Catalogue # 1924



### Spill Tray

The IS-199 Spill Tray conveniently fits under the IS-199 Chemical Mixer to provide secondary containment for potential leaks or spills.

16" L x 18" W x 5" H

Catalogue # 1923

# ACCU-TECH Pollution Control System Tandem 200

The Tandem 200 Pollution Control System offers primary and secondary silver recovery for high volume applications. Suitable for X-Ray, Cine, Graphic Arts and Microfilm applications.



Catalogue # 3600  
Catalogue # 3601

Tandem 200  
Replacement Cells (2 per box)

## Phase One Treatment Cartridges

Phase One provides inexpensive, reliable de-silvering of x-ray fixers. When properly installed, they will eliminate the risk of "channeling" or leaking. Phase One Cartridges are an effective first step in achieving compliance for effluent discharge. Available in 3 and 5 gallon capacities.

Catalogue # 3630-3  
Catalogue # 3630-5

3 Gallon Capacity Unit  
5 Gallon Capacity Unit



## Final Phase Treatment System

A superior treatment system, Final Phase completes the process of effluent treatment prior to final discharge. When used in conjunction with a metallic replacement recovery device, such as Phase One, the Final Phase ensures EPA compliance for pH, BOD-5, COD, suspended solid, iron, and silver discharge. Treats 1000 gallons of combined developer and fixer.

Catalogue # 3618



## Silver Test Paper

This German-made Silver Test Paper comes in a convenient roll form. The color-coded scale reads out in both Troy ounces per gallon and grams per liter.

Catalogue # 3519





## FR Lint Free Wipes

FR Lint Free Wipes clean without leaving a lint residue behind. They are specifically designed for use on surfaces such as screens, cassettes, glass or lens. They can be used with all popular screen cleaners. This product is perfect for your Mammo Clinic customer where a “Speck” on a screen or cassette could impair the diagnosis.

Catalogue # LFW-0909



## RollerClean

For all automatic processors. **RollerClean** safely and economically keeps processor rollers and racks free from silver and chemical buildup. There's no need to remove the processor racks. Use daily to maintain optimum conditions. May be used more than once without fear of developer contamination.

Catalogue # RC-1417

50 - 14"x17" sheets per box

Catalogue # RC-759

50 - 7.5"x9" sheets per box



## Molecular Adzorbstar®

A biodegradable and non-toxic product. Adzorbstar® adsorbs fumes and odors from the air. The color indicator tells you when to discard and replace the unit. Excellent for darkrooms, chemical mixing and storage areas, it also helps you to meet OSHA standards. Available in three sizes.

Catalogue # 3655

Small

12oz Wall Mount Unit

Catalogue # 3656

12oz Re-fill

Catalogue # 3652

Medium

16oz Wall Mount Unit

Catalogue # 3654

16oz Re-fill

Catalogue # 3651

Large

32oz Wall Mount Unit

Catalogue # 3653

32oz Re-fill

## Silver Trap Windows

- Clean, safe with easy replacement
- Heavy duty iron matrix screen core
- Unique clear plastic see-thru design
- Ultra compact, space saving modular feature
- Integral cell and shipping jar in one
- Ideal for all fixers

Can be used for silver recovery from photo, graphic, x-ray and industrial fixers. Windows' unique, ultra compact, clear modular design can meet any installation requirement. Windows' are engineered around a patented, time-proven matrix core which can last for years at low-volume use. The high surface area core is a long lasting, efficient catalyst material.

The silver-filled exhausted window unit can easily be replaced in a few minutes. The silver trap unit has a unique plastic housing for optimum monitoring and visual observation. When drained of the liquid, the used plastic cell housing becomes a convenient air-tight shipping container. The unit can also be easily rinsed to meet EPA shipping regulations. The silver laden used cell can then be sent for refining inside the reusable cardboard box that made up its original package.

Catalogue # 3612	Silver Trap Window Compact
Catalogue # 3612-R	Replacement Cells
Catalogue # 3611	Silver Trap Window
Catalogue # 3611-R	Replacement Cells



Catalogue # 3612



Catalogue # 3611

## Kodak Processing Chemicals

Catalogue #	EK Catalogue #	Description
EK - RP10D	124 9259	EK RP X-OMAT Developer 10 Gallons
EK - EX10D	113 5433	EK RP X-OMAT EX II Developer 10 Gallons
EK - LO10F	886 8804	EK RP X-OMAT Fixer 10 Gallons
EK - STR6	133 2642	EK Developer Starter (6 per case)
EK - GBX20D	190 0984	EK GBX Developer 20 Gallons (4 x 5 Gal)
EK - GBX20F	190 2485	EK GBX Fixer 20 Gallons (4 x 5 Gal)

### Bulk Units

EK - RP200D	851 2295	EK RP X-OMAT Developer 200 Gallons
EK - LP400D	868 9069	EK MX 1275-3 Liq/Pwdr Developer 400 Gallons

# Terms of Sale

<b>TERMS:</b>	NET 30 Days
<b>ORDERS:</b>	Orders of less than \$100 will incur a \$10.00 handling charge.
<b>TRUCKLOAD PRICES:</b>	Represent truckload quantities, (minimum 24,000 lbs.) per order, to one destination of any assortment of products.
<b>FREIGHT POLICY:</b>	<p>Free freight qualifications:</p> <p>The billing value of the order is \$1500.00 or more and can include a combination of chemistry and supplies. Shipment is to one domestic address.</p> <p><b>EXTRA CHARGES:</b> INSIDE DELIVERY, LIFT GATE or CALL BEFORE DELIVERY charges will be billed to you on a prepaid and charge basis.</p>
<b>CUSTOMER LIABILITY:</b>	<p>Every product sold by FRC is tested and inspected during manufacture and/or packaging prior to leaving our facility, and is warranted to be in good condition.</p> <p>While FRC will assist its customers wherever possible, title to products pass to the purchaser at the time of shipment. Therefore, it is the responsibility of the purchaser to file all claims for damage or loss in transit with the delivering carrier. All shipments should be counted and inspected for damage before being signed for by the purchaser. Any shortages or damage should be noted on the delivery receipt. Freight claims should be submitted to the delivering carrier as soon as possible.</p>
<b>RETURN OF GOODS POLICY:</b>	Only goods with an FRC Return Authorization No. (RA#) will be accepted. FRC reserves the right to refuse unauthorized returns. Such goods will be returned to the customer. Request to return goods must be made within 30 days of shipment and may be subject to a 20% Restocking Charge.
<b>RETURN OF GOODS PROCEDURE:</b>	<p>Contact FRC Customer Service Department with the following:</p> <ol style="list-style-type: none"><li>(1) Product Catalog Number and Name</li><li>(2) Problem Description</li><li>(3) Batch Number</li><li>(4) Quantity of product to be returned</li><li>(5) Customer #, P.O. #, and Invoice #</li></ol> <p>Be certain to have a sample demonstrating the problem (if any) to send to FRC if requested to do so.</p>



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