

Medical X-Ray Chemicals: NatureCare Devalex & NatureCare Fixaplus



NatureCare Devalex X-Ray Developer Replenisher is for the 45 second rapid access machine processing of medical x-ray films with pre-hardened emulsions.

- 1-part Developer:
 - Easier mixing for operators
- Gluteraldehyde free
- High Storage Stability
- Quality Performance:
 - compatible with all brands of pre-hardened x-ray film, it meets or exceeds film manufacturers recommendations for speed, contrast and base+fog



Fixaplus X-Ray Fixer is for the machine processing of medical x-ray films.

- 1-part fixer
- Suitable for processing all medical and industrial radiographic and imaging films
- Low level of sulphur dioxide emission from working solutions
- Optimized replenishment rates
- Compatible with similar chemical systems
- Very clean working

PROCESSING SPECIFICATIONS:

Time & Temperature

The developer bath and fixer bath should be at the same temperature.

Temperature Range (°C)	Machine Time Cycle (seconds)
30-35	90
27-33	120
23-26	210
20-22	300
18-20	420

Replenishment Rates:

Recommendations are based on average requirements.

	NatureCare Devalex	NatureCare Fixaplus
General Departments: mls/m ²	320-400	530-730
Specialist Departments: mls/m ²	270-460	450-820

Replenishment Rates:

NatureCare Devalex - If the processor is subject to long periods of stand-by, a degree of aerial oxidation may take place which is not compensated for by normal replenishment, it is, therefore, necessary to employ a higher replenishment rate than that used with a busier machine. The table below is given as a guide:

Number of films (equivalent to 35x35cm) (13.8in x 13.8in) per working day	Developer Replenishment mls per 35 cm x 35 cm film
Less than 25	70-75
25-50	65-70
50-75	60-65
75-100	55-60
100-125	50-55
125-150	45-50
more than 150	35-40

STORAGE OF CHEMICALS:

- **Concentrates** - All of the processing system concentrates have a normal storage life of at least 12 months, when held in unopened containers under steady temperature conditions 56°F - 66°F. However, storage temperature below 41.5°F should be avoided as some crystallization may occur.
- **Working Solutions and Replenishers** - Machine tank solutions should not be allowed to stand unused for more than one week, or the activity will be reduced by aerial oxidation. No more than one week's supply of any of the replenisher solutions should be made up at a time. Replenisher solutions should be kept covered with lids to reduce evaporation, oxidation and contamination.

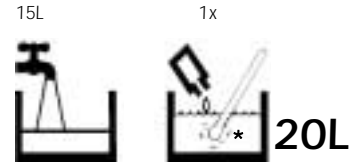
SAFE USE OF PROCESSING CHEMICALS:

- All chemicals should be kept out of reach of children. Refer to labels on the box and to the Material Safety Data Sheet for precautionary information. Protective clothing, including gloves and face/eye protection should always be worn when handling chemicals.
- Contact our Service Plus Department or your local representative to determine which combination of chemicals is best suited for you.
- NOTE: Extreme care should be taken to avoid cross-contamination of the developer solutions with fixer, since even small volumes of fixer in the developer will cause large processing variations. Before a tank is refilled, it should be completely drained, thoroughly cleaned with **Developer Tank Cleaner**, and flushed out with water.

Preparation:

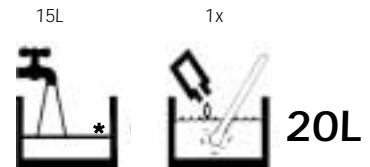
*Mix well

NatureCare Devalex X-Ray Developer Replenisher



Tank Solution: Developer	
Replenisher	Starter 22.5mls
0.98L	1L

NatureCare Fixaplus X-Ray Fixer and Replenisher



SUPPLIES

NatureCare Devalex	20L	150110
Devalex Starter	6x1L	120401
NatureCare Fixaplus	20L	150200

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 Contact our Technical Services Department or your local representative to determine which combination of chemicals is best suited for you.

Manufactured By _____

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