

Medical X-Ray Chemicals: Devalex M & Fixaplus



Devalex M Developer Replenisher is for machine processing of all medical x-ray films and is ideally suited for mammography applications.

- Long life, high stability formulation.
- Suitable for the processing of all currently available x-ray emulsions.
- Compatible with similar chemical systems.
- Contrast control by temperature adjustment.
- Produces brilliant radiographs of high diagnostic quality.
- Very clean working.



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

- Companion product for **Devalex M**.
- Suitable for processing all medical 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 an average general hospital department.

	Devalex M	Fixaplus
General Departments: mls/m ²	320-400mls	530-730mls
Specialist Departments: mls/m ²	270-460mls	450-820mls
	Devalex M	Fixaplus
Specific Gravity:	1.098	1.090

Specifications:

Replenishment Rates:

Devalex M - 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) 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 13°-18°C. However, storage temperature below 5°C 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.

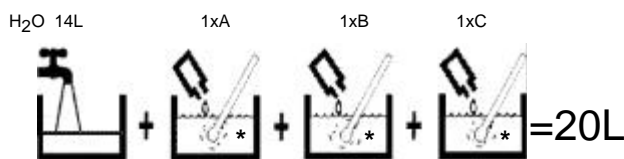
SAFE USE OF PROCESSING CHEMICALS:

- All chemicals should be kept out of reach of children. Refer to labels on the box and to the Safety Data Sheet for precautionary information. Protective clothing, including gloves and face/eye protection should always be worn when handling chemicals. Contact our Technical Services Department or your local representative to determine which combination of chemicals is best suited for your use.
- **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 **Proclean Tank Cleaner** and flushed out with water.

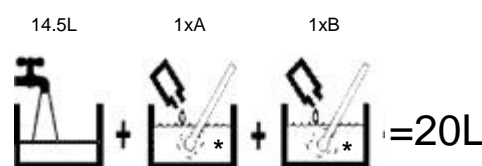
Preparation:

*Mix well

Devalex M Replenisher & Tank Solution



Fixaplus X-Ray Fixer Replenisher and Tank Solution



SUPPLIES

Devalex M Developer	2x20L	120127
Fixaplus X-Ray Fixer	2x20L	120202
Proclean Tank Cleaner	2x2x20L	171309

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Manufactured under an ISO 9001/2000 approved system by:

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