

# Medical X-Ray Chemicals: Devalex Air & Fixaplus



Devalex X-Ray Developer Replenisher is for machine processing of medical x-ray films.

- 2-part Developer:
- No acetic acid smell
- High storage stability
- Quality Performance:
  - compatible with all brands of x-ray film, it meets or exceeds film manufacturers recommendations for speed, contrast and base+fog
- Very clean working



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

- Suitable for processing all medical and industrial radiographic and imaging films
- Extremely Low level of sulphur dioxide and acetic acid emission from working solutions with levels well below many competitive brands currently available.
- 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 Air	Fixaplus
	General Departments: mls/m <sup>2</sup>	320-400	530-730
	Specialist Departments: mls/m <sup>2</sup>	270-460	450-820
Chemistry Specifications:		Devalex Air	Fixaplus
	Specific Gravity:	1.078	1.090

**Replenishment Rates:**

**Devalex Air** - 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.

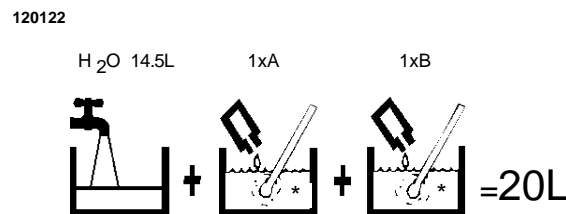
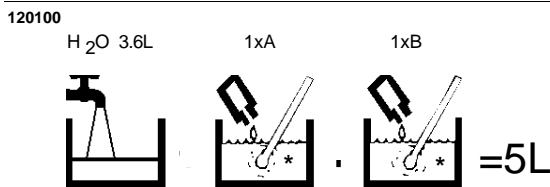
**SAFE USE OF PROCESSING CHEMICALS:**

- 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.

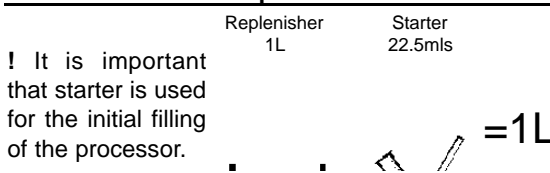
**Preparation:**

\*Mix well

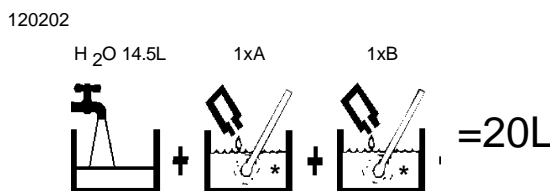
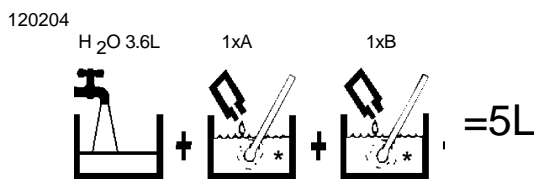
**Devalex Air X-Ray Developer Replenisher**



**Tank Solution: Developer**



**Fixaplus X-Ray Fixer and Replenisher**



**SUPPLIES**

Devalex Air Dev Rep	2x20L	120120
Devalex Air Dev Rep	2x5L	120100
Devalex Developer Starter	1L	120401
Fixaplus X-Ray Fixer	2x20L	120202
Fixaplus X-Ray Fixer	2x5L	120204
Proclean Tank Cleaner	2x2x20L	171309

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Manufactured under an ISO 9001/2000 approved system by:

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