



POWDER CHEMICALS

FOR PROCESSING BY HAND OF X-RAY FILMS FOR MEDICAL USE

General

These chemicals are provided in solid form and they are intended for the processing by hand of X-ray films for medical use. The chemicals are especially suitable for processing the FOMA X-ray films for medical use, but they can also be used for processing other comparable products.

FOMA DP is a developer in solid form based on hydroquinone and 1-phenyl-3-pyrazolidone and it is intended for processing X-ray films for medical use at a temperature from 20 °C to 30 °C.

FOMA DP-R is a replenisher in solid form intended for replenishing the FOMA X-ray DP developer.

FOMAFIX P is a fixer in solid form intended for fixing X-ray films for medical use.

Packaging

FOMA DP developer consists of two separate parts A and B for preparing 5x9 l of the working strength solution.

FOMA DP-R replenisher consists of two separate parts A and B for preparing 5x4.5 l of the working strength solution.

FOMAFIX P fixer consists of three separate parts A, B and C for preparing 5x9 l the working strength solution.

Preparation of the solutions

FOMA DP developer

Dissolve completely the chemicals contained in the part A in about 7 l of distilled water at 40 °C. Dissolve the chemicals contained in the part B in the solution and complete it with water to 9 l.

Recommended standard conditions for the development.

Temperature (°C)	Time (min.)
20	5
22	4
24	3
26	2

After developing the stop bath should be applied for 30 s.

1 l of the FOMA DP developer is sufficient for developing 2 m² of X-ray film.

The FOMA DP-R replenishment solution shall be used for replenishing FOMA DP developer. The replenishment rate is 500 ml for 1 m² of X-ray film.

FOMA DP-R replenisher

Dissolve successively the chemicals contained in the parts A and B in about 3.5 l of distilled water at 40 °C adding the next part not sooner than after the previous one is completely dissolved. Complete the solution with water to 4.5 l.

If using the FOMA DP-R replenisher at a rate 500 ml.m⁻², it is possible to develop 6 m² of X-ray film in 1 l of the FOMA DP developer and 2 l of the FOMA DP-R replenisher.

FOMAFIX P fixer

Dissolve successively the chemicals contained in the parts A and B and C in about 7 l distilled water at 40 °C adding the next part not sooner than after the previous one is completely dissolved. Complete the solution with water to 9 l.

The developing time is 2 to 3 min. at 20 °C. Use the fresh fixing solution if the developing time becomes twice as long.

1 l of the FOMAFIX P fixer is sufficient for fixing 1.5 m² of X-ray film.

Please, contact the service technicians in FOMA if need be.

Storage

The chemicals shall be kept in original packaging in a dry and cool place.

The product has CE marking and has been produced and marketed in conformity with a quality system according to the international standard EN ISO 9001:2000, EN ISO 13485:2003.