

## MEDIPHOT E90

### (liquid concentrate)

**RP (Rapid Processing)**, hydroquinon/phenidon based developer, suitable for all types of Medical X-Ray Films, to be used in all types of roller transport processors.

### Specifications:

Low developer temperature.  
Low replenishment rate developer.  
Consistent results with low fog values.  
Min. air oxidation. Keeps roller of processor clean.  
Suitable for extended process-cycles and manual processing. Contrast adjustable by variation of temperature. Available for all types of chemical mixers.

### Recommended Temperatures at various processing cycles:

35°C – 38°C at 45 sec  
30°C – 32°C at 90 sec  
27°C – 29°C at 120 sec  
25°C – 26°C at 180 sec

### Recommended Replenishment Rates:

300 ml/m<sup>2</sup> for medium/high volume film processing (150 films up/day)  
400 ml/m<sup>2</sup> for low volume film processing (less than 100 films/day)

### Starter MEDIPHOT S:

20 ml/lit. to be added to the ready mixed working solution in processor tank

### Mixing Temperature:

tempered water not more than 25°C

### Specs for ready mixed, fresh working solution:

pH: 10.54 at 20°C (94°F)  
Specific Gravity: 1.098 at 20°C (94°F)

**NOTE:** Even small contaminations by fixer solutions will change the quality of the developer considerably. Use floating lid in replenisher tank to avoid air oxidation.

### Concentrate per set:

Part A = 2 x 5,0 lt.,  
Part B = 2 x 0,5 lt.,  
Part C = 2 x 0,5 lt.

## MEDIPHOT F90

### (liquid concentrate)

**RP (Rapid Processing)** ammonium thiosulfat based fixer with hardener, suitable for all types of Medical X-Ray Films, to be used in all types of roller transport processors.

### Specifications:

High speed fixer within a wide temperature range.  
Low replenishment rate fixer  
Efficient hardening results in low water absorption which results in rapid drying. Keeps roller of processor clean, less crystallization on rollers.  
Suitable for extended process-cycles and manual processing (no hardener to be added for manual processing). Available for all types of chemical mixers. Min. SO<sub>2</sub>-emissions of ready mixed working solution.

### Recommended Temperatures at various processing cycles:

Should not exceed the adjusted developer temperature.

### Recommended Replenishment Rates:

350 – 400 ml/m<sup>2</sup> for medium/high volume film processing (150 films up/day)  
450 ml/m<sup>2</sup> for low volume film processing (less than 100 films/day)  
Silver content limit (approx.) 8 g/lit.

### Mixing Temperature:

tempered water not more than 25°C

### Specs for ready mixed, fresh working solution:

pH: 4.35 at 20°C (94°F)  
Specific Gravity: 1.09 at 20°C (94°F)

**NOTE:** For cleaning of processor tanks and racks use MEDIPHOT Cleaning Chemistry and MEDIPHOT Neutraliser.

### Concentrate per set:

Part A = 2 x 4,5 lt.,  
Part B = 2 x 1,0 lt. (hardener)

set of chemistry for	type of chemistry	for ready to use solution	carton box size per set	weight kg per set per box	boxes per pallet	gross weight kg	volume m <sup>3</sup>
2 x 20 = 40 Liters	Developer Concentrate E90	2 x 20 Liters	39 x 17 x 34 cm	15,5 kg	41	650	1,11
2 x 20 = 40 Liters	Fixer Concentrate F90	2 x 20 Liters	39 x 17 x 34 cm	16 kg	41	670	1,11
Bottle 0,5 Liter	Starter for Developer E90 S	20 ml per Liter Developer	For 6 x 0,5lt bottles: 20 x 19 x 25 cm	4 kg	-	-	0,007

**Storage:**

Shelf life 24 months when bottles are kept unopened, at ambient room temperature.

**Mixing and Processing Recommendations:**

see directions for use on labels

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More info regarding COLENTA Medical Product Line  
see <http://www.colenta.at>