

MEDIPHOT

X-RAY PRODUCTS DATASHEET

MEDIPHOT E-90

(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/m² for medium/high volume film processing (150 films up/day)
 400 ml/m² 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 40°C (130°F)

Specs for ready mixed, fresh working solution:

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

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

MEDIPHOT F-90

(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. SO₂-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/m² for medium/high volume film processing (150 films up/day)
 450 ml/m² for low volume film processing (less than 100 films/day)
 Silver content limit (approx.) 8 g/lit.

Mixing Temperature: tempered water not more than 40°C (130°F)

Specs for ready mixed, fresh working solution:

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

X4-1_3.pdf

MEDIPHOT

X-RAY PRODUCTS DATASHEET

MEDIPHOT E-90

MEDIPHOT F-90

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

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

Concentrate per set: Part A=2x5,0lt., Part B=2x0,5lt.

Concentrate per Set: Part A=2x4,5lt., Part B = 2 x 1,0lt (Hardener)

Set of Chem. 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 ³
2x20 = 40 Liters	Developer Concentrate E90	2x20 Liters	28x25x30cm	14,5	36 48	540 714	1,1 1,3
2x20 = 40 Liters	Fixer concentrate F90	2x20 Liters	28x25x30cm	15	36 48	558 738	1,1 1,3
Bottle 1 Liter	Starter for Developer E90 S	20 ml per Liter Developer	For 6x1lt bottles: 20x19x25cm	7,3	-	-	0,0095

Storage: Shelflife 24 months when bottles are kept unopened, at ambient room temperature

Mixing and Processing Recommendations: See directions for use on labels

ART COLENTA GROUP

COLENTA Labortechnik Ges.m.b.H. & Co. KG
Neunkirchner Strasse 117
A-2700 WIENER NEUSTADT
Austria
Tel.: +43/2622/28 311-0
Fax: +43/2622/28 311-7
e-mail: office@colenta.at

COLENTA Labortechnik Ges.m.b.H. & Co. KG
Ratzinger Weg 9
D-94065 WALDKIRCHEN
Germany
Tel.: +49/8581/207-0
Fax: +49/8581/207-34
e-mail: colenta@t-online.de

ACI - ART COLENTA International Ltd.
Forge Close, Little End Road,
Eaton Socon,
CAMBRIDGESHIRE PE 19 3JH,UK
Tel.: +44/1480/21 11 18
Fax: +44/1480/21 52 36
eFax: +44/870/132 1352
e-mail: aci@patflaherty.com

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

X4-1_3.pdf