

PROCESS CONTROL CHART

CHECKLIST FOR COMPLETING THE CHART

Developer

Product name of developer.

Dilution

Dilution of developer

Development time

Routine development time used for processing control strips.

Processor

Manufacturer and model name of processor.

Chart no

Number your charts so they can be put easily into date order for checking trends.

From/To

Date the chart starts to the date the chart ends.

Date/Time

Today's date and time of day when the control strip was processed.

Temperature

Enter the set temperature in the box on the left and enter the measured temperature each day in °C or °F, whichever you prefer. Be consistent in the unit of measurement.

Replenishment rates

Enter the set replenishment rate in the box on the left and enter the measured replenishment rate each day in whatever units you prefer. Be consistent in the unit of measurement.

Daily throughput

Daily throughput measured in number of 36 exposure 35mm film, m² of film or whatever unit of measurement you prefer. Be consistent in the unit of measurement.

18 135/36 is roughly equivalent to 1m².

Multiplication factor for some other film sizes

135/24	x ² / ₃
135/12	x ¹ / ₃
120	x 1
220	x 2
20.3x25.4cm	x 1
10.2x12.7cm	x ¹ / ₄

pH (acidity/alkalinity)

Enter the aim pH in the box on the left, and enter the measured pH of the developer each day on the chart.

SG

Enter the aim specific gravity (SG) and the temperature at which it is measured in the box on the left, and enter the measured SG of the developer each day on the chart.

Comments

Add information which might help to explain changes. For example, after weekend, chemicals changed, new box of process control strips started etc.

Control strips batch number

From the box label of the control strips in use enter the batch code and four digit code e.g. 63AFX1C03/03-04, 2099

Dmin

Enter the Dmin value obtained from the process control strips.

LD (Speed)

Plot the LD value obtained from the process control strips.

HD-LD (Contrast)

Plot the HD-LD value calculated from the process control strips.

A wide range of fact sheets is available which describe and give guidance on using ILFORD products.

ILFORD MANUAL

PROCESS CONTROL CHART

DEVELOPER	DILUTION			DEVELOPMENT TIME										
PROCESSOR	CHART NO			FROM					TO					
DATE														
TIME														
TEMPERATURE	<input style="width:40px;" type="text"/>													
REPLENISHMENT RATES	<input style="width:100px;" type="text"/>													
DAILY THROUGHPUT														
PH	<input style="width:60px;" type="text"/>													
SG	<input style="width:60px;" type="text"/>													
COMMENTS														

CONTROL STRIPS BATCH NUMBER

DMIN
Patch 1

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

LD
Patch 2

CONTROL														
ACTION														
AIM	<input style="width:60px;" type="text"/>													
ACTION														
CONTROL														

HD-LD
Patch 3 minus Patch 2

CONTROL														
ACTION														
AIM	<input style="width:60px;" type="text"/>													
ACTION														
CONTROL														