



Film Chemicals: For Minilabs

Standard Process



N1 Mydoneg Developer Replenisher:

- For processing colour negative film in standard C-41, C-41B and Fuji* CN16Q Type 23 minilabs
- High stability under very low workload conditions
- Compatible with similar chemical systems
- Variable Replenishment rate of 28-42mls/roll of 135/24

N2 Mydoneg AIR Bleach III NR Replenisher:

- Low replenishment rate of 5mls/roll of 135-24 and low sewer effluent of only 5mls/roll of 135-24
- Low odour (no vinegar smell)

N2 Mydoneg Plus Bleach Replenisher:

- Designed for use in older Fuji*Minilab 23's and older C-41 minilabs which cannot accommodate a replenishment rate of 5mls/roll of 135-24

N3 Mydoneg Plus Fixer Replenisher:

- Works well with most C-41 chemistry systems

N4 Mydoneg Stabiliser/Rinse Replenisher:

- Works well for most C41 applications in a wide range of Minilab film processors

N1	Mydoneg Developer Replenisher	2x10L	140156
N1	Mydoneg Developer Replenisher	2x50L	140110
N2	Mydoneg Air Bleach III Replenisher NR	2x5L	140340
N2	Mydoneg Plus Bleach Replenisher	2x10L	140308
N3	Mydoneg Plus Fixer Replenisher	2x10L	140214
N4	Mydoneg Stabiliser/Rinse Replenisher	2x10x10L	140619
N1-S	Mydoneg Developer Starter	Variable	140404
N2-S	Mydoneg Bleach III NR/RA Starter	Variable	140337
	Profile C-41 Process Control Strips	20 strips	141501

Rapid Process



N1 Mydoneg RA Developer Replenisher:

- For processing high volumes of colour negative film in all colour film processors
- High stability under medium-busy workload conditions
- Compatible with similar chemical systems
- Low replenishment rate of only 21mls/roll of 135-24

N2 Mydoneg AIR RA Bleach Replenisher:

- This rapid process bleach is designed for minilabs with a 45 second bleach time
- Replenishment rate of 5mls/roll of 135-24
- Low odour (no vinegar smell)

N3 Mydoneg RA Fixer Replenisher:

- Designed for a Rapid Access (RA) environment
- Companion product to Mydoneg Air RA Bleach
- Easy to mix and comes in convenient sizes

N3 Mydoneg SA Fixer Replenisher:

- Designed for a Rapid Access (RA) environment
- Companion product to Mydoneg Air RA Bleach
- Easy to mix concentrate comes in a convenient 10L size for C41RA application

N4 Mydoneg Stabiliser/Rinse Replenisher:

- Works well with many systems of C41 chemistry in a wide range of Minilab film processors

N1	Mydoneg RA Dev Replenisher	2x10L	140121
N1	Mydoneg RA Dev Replenisher	2x50L	140122
N2	Mydoneg Air RA Bleach Replenisher	2x5L	140341
N3	Mydoneg RA Fixer Replenisher	2x10L	140206
N3	Mydoneg SA Fixer Replenisher	2x10L	140211
N4	Mydoneg Stabiliser/Rinse Replenisher	2x10x10L	140619
N1-S	Mydoneg Developer Starter	Variable	140404
N2-S	Mydoneg Bleach III NR/RA Starter	Variable	140337
	Profile C-41 Process Control Strips	20 strips	141501

Preparation: **Standard Process**

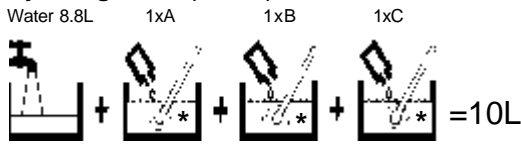
Film Chemicals for Minilabs



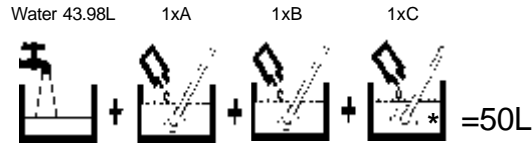
Replenisher Solutions

*Mix well

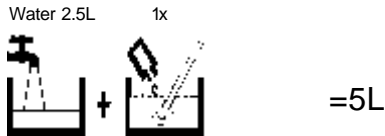
N1 - Mydoneg Developer Replenisher



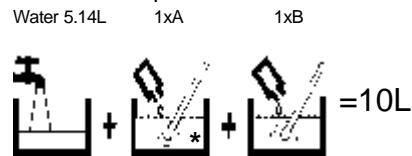
N1 - Mydoneg Developer Replenisher



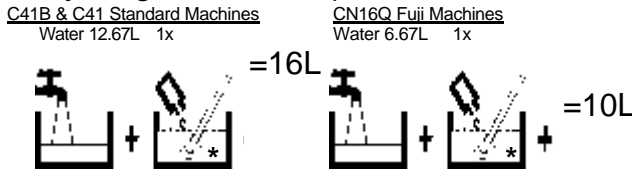
N2 - Mydoneg Air Bleach III NR Replenisher



N2 - Mydoneg Plus Bleach Replenisher

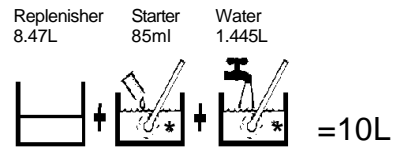


N3 - Mydoneg Plus Fixer & Replenisher

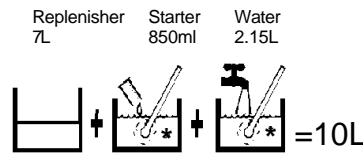


Tank Solutions

N1 - Mydoneg Developer Replenisher

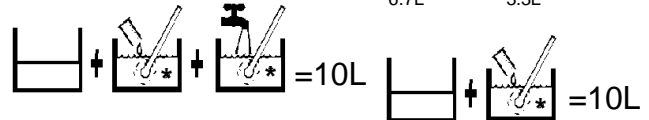


N2 - Mydoneg Air Bleach III NR Replenisher Standard C41& C41B Machines



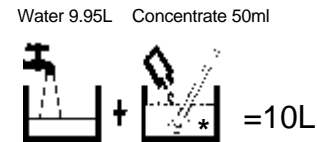
N3 - Bleach-Fix (Fuji Type 23 Machines)

Mydoneg Plus Mydoneg Plus
Fix Repl. Bleach Repl
6.7L 3.3L



For N3, Mydoneg Plus Fixer and N4 Mydoneg Plus Stabilizer Rinse, preparation of the tank solution is same as the Replenisher.

N3 - Mydoneg Stabiliser, Rinse & Replenisher



PROCESS SPECIFICATIONS

C41 Standard, C41B

Step	Processing Stage	Recommended Temperature °C	Processing Time (Sec)	Replenishment Rate*(ml/roll of 135-24)	Preparation of Tank Solution (1L)
N1	Mydoneg Developer	37.8±0.14°	195	28-43	1) 847ml replenisher 2) 144.5 ml water 3) 8.5 starter
N2	Mydoneg Air Bleach III NR	38.0±3.0°	180	5	1) 700ml replenisher 2) 215ml water 3) 85ml starter
N2	Mydoneg Plus Bleach	38.0±3.0°	180-260	20	same as replenisher
N3	Mydoneg Plus Fixer	38.0±3.0°	180-260	33	same as replenisher
N4	Mydoneg Stabiliser Rinse	38.0±3.0°	100-320	40	same as replenisher

2. Fuji Type 23 Machines CN16Q

N2	Mydoneg Plus Bleach Replenisher	38.0±3.0°	60	20	same as replenisher
N3	Bleach-Fix	38.0±3.0°	195	30	1) 330ml bleach replenisher 2) 670ml fixer replenisher
N4	Mydoneg Stabiliser Rinse	38.0±3.0°	100	33	same as replenisher

*recommended starting point

CHEMISTRY SPECIFICATIONS

	N1 Mydoneg Developer		N2 Mydoneg Air Bleach III NR		N2 Mydoneg Plus Bleach		N3 Bleach-Fix (Fuji 23)		N3 Mydoneg Plus Fix (Standard)		N4 Mydoneg Stabiliser Rinse	
	Seasoned Tank	Repl.	Seasoned Tank	Repl.	Seasoned Tank	Repl.	Seasoned Tank	Repl.	Seasoned Tank	Repl.	Seasoned Tank	Repl.
pH	10.05 ±0.05	10.15 ±0.05	4.50 ±0.2	3.75 ±0.05	5.80 ±0.30	5.44 ±0.10	6.30 ±0.20	6.70 ±0.20	6.60 ±0.30	6.70 ±0.10	7.50 ±0.2	7.40 ±0.2
Sp	1.039	1.040	1.094	1.117	1.120	1.120	1.158	1.172	1.077	1.097	1.005	1.005
Gr.	±0.003	±0.003	±0.02	±0.02	±0.013	±0.01	±0.01	±0.01	±0.005	±0.01	±0.005	±0.005

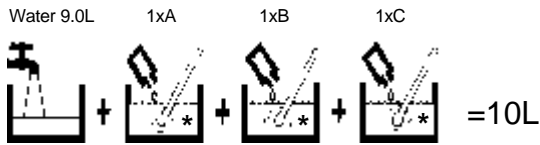
CHAMPION
PHOTOCHEMISTRY



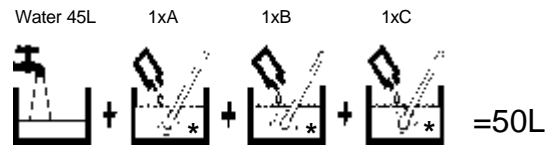
Replenisher Solutions

*Mix well

N1 - Mydoneg RA Developer Replenisher

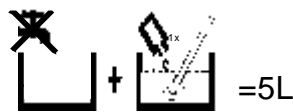


N1 - Mydoneg RA Developer Replenisher

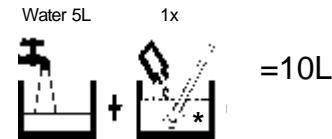


N2 - Mydoneg Air RA Bleach Replenisher

Ready-to-use. Do not dilute

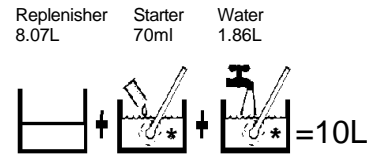


N3 - Mydoneg RA/SA Fixer Replenisher

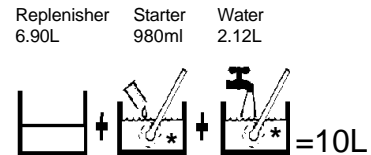


Tank Solutions

N1- Mydoneg RA Developer

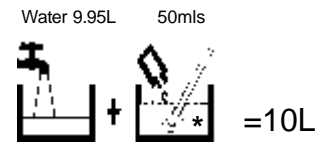


N2 - Mydoneg Air RA Bleach



For N3, Mydoneg RA/SA Fixer and N4 Mydoneg Stabiliser Rinse preparation of the tank solution is same as the Replenisher.

N4 - Mydoneg Stabiliser, Rinse & Replenisher



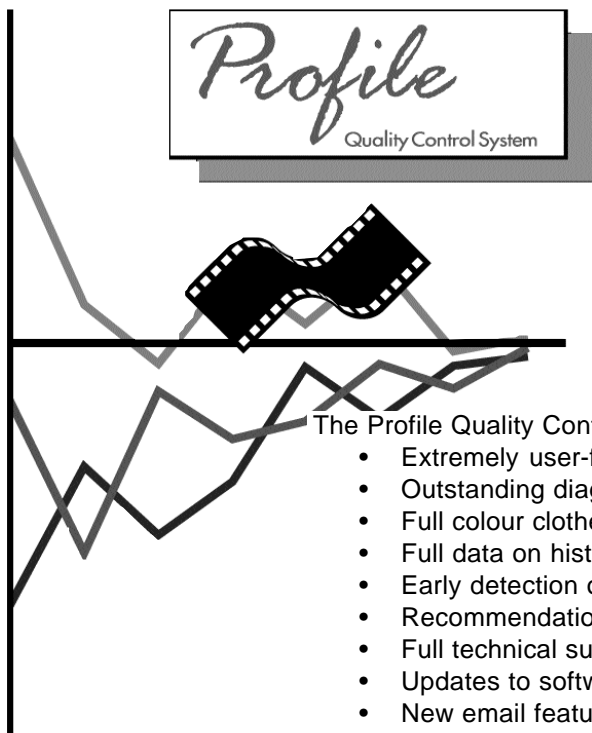
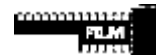
PROCESS SPECIFICATIONS

Step	Processing Stage	Recommended Temperature °C	Processing Time (Sec)	Replenishment Rate*(ml/roll of 135-24)	Preparation of Tank Solution (1L)
N1	Mydoneg RA Developer	37.8±0.14°	195	21	1) 807ml replenisher 2) 186ml water 3) 7ml starter
N2	Mydoneg Air RA Bleach	38.0±3.0°	45-60	5	1) 690ml dev replenisher 2) 212ml water 3) 98ml starter
N3	Mydoneg RA/SA Fixer	38.0±3.0°	90-120	33	same as replenisher
N4	Mydoneg Stabiliser Rinse	38.0±3.0°	60-90	33	same as replenisher

*recommended starting point

CHEMISTRY SPECIFICATIONS

	N1 Mydoneg RA Developer		N2 Mydoneg Air RA Bleach		N3 Mydoneg RA/SA Fixer		N4 Mydoneg Stabiliser Rinse	
	Seasoned Tank	Repl.	Seasoned Tank	Repl.	Seasoned Tank	Repl.	Seasoned Tank	Repl.
pH	10.05 ±0.05	10.15 ±0.05	4.50 ±0.2	3.75 ±0.05	5.79 ±0.20	6.45 ±0.20	7.50 ±0.2	7.40 ±0.2
Sp Gr.	1.040 ±0.003	1.039 ±0.003	1.181 ±0.02	1.181 ±0.006	1.109 ±0.010	1.097 ±0.01	1.005 ±0.005	1.005 ±0.005



The Profile Quality Control system is comprised of two key elements - Profile Control Strips and Profile Quality Control Software. Our Profile Control Strips are easy to work with and have been optimized to give the best results with Champion chemistry. Our Profile Quality Control Software has been manufactured under strict quality control procedures.

Champion Photochemistry and Russell Photochemistry are the only independent chemical manufacturers worldwide to make control strips and to market a QC software.

The Profile Quality Control System offers the following features & benefits:

- Extremely user-friendly
- Outstanding diagnostic components
- Full colour clothesline plot reports
- Full data on history, current status and diagnosis
- Early detection of potential process problems
- Recommendations for corrective action plans
- Full technical support available
- Updates to software sent automatically to current registered users
- New email feature allows labs to email files to your central site for timely evaluation

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 crystallisation could 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 Material 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 most suitable for your use.

WARRANTY: Seller, Champion Photochemistry International Limited, expressly disclaims any and all warranties, expressed or implied, including any warranties of merchantability or fitness. Seller's sole obligation for defect is to replace the defective product. In no event shall seller have any liability for incidental or consequential damages.

For a complete list of the RA-4 chemicals which complement this system of chemistry, please refer to TDS # R10, R12, R14, R18

Manufactured By

CHAMPION PHOTOCHEMISTRY INTL LIMITED
 Hubert Road, Brentwood, Essex, CM14 4JE
 Tel: +44 (0)1277 263646 Fax: +44 (0)1277 260832
 www.championphotochemistry.com

** Fuji is a registered trademark of the fuji Photo Film Ltd.