Pro Chem – Tetenal photo chemistry.
Tetenal Professional Chemicals

Tetenal chemicals offer the highest possible processing quality, user-friendliness and cost-effectiveness. They allow an easy and furthermore safe handling of chemicals.

To meet the particular requirements of various user groups, special product lines have been developed:

mono line 1-part chemicals – easy and convenient, ideal for minilabs
compact line Chemistry in cartridges – unbeatable safe, for Frontier, d-labs, Konica Minolta, ecojet
professional line multi-part chemicals – to meet the highest expectations of professional labs.

compact line

The cartridge system
compactline cartridges are designed to match the operating procedures and handling of i.e. Frontier and d-lab minilabs.
In comparison to standard minilab chemicals, compactline cartridges offer a series of benefits in terms of convenience and efficiency.

Advantages:
compactline cartridges are designed to be docked on and replaced in a few simple steps – even by untrained staff. Their ultra-compact design reduces storage requirements and with it logistical costs in the company.
All compactline components are well matched with the relevant minilab in terms of their formulation and function that efficiency is maximised.

NEW: compactline Cartridges Type 48-49 HV
Replenisher kit with 2 cartridges for 2 x 111 m² Art. No. 103013

Larger prolabs are often equipped with Frontier machines of various generations. There cartridges of the types 48 and 49 are used that are only foreseen for the respective machine.
In contrast, the new Tetenal HV cartridges Type 48-49 HV are universally suited for all Frontier minilabs.
The new cartridge formula especially match with machines with high work load.
Benefits: High efficiency, simplified order processing, lower logistical effort.

d-lab.1/d-lab.2
RA-4 Paper Cartridges Type 110 Replenisher kit with two cartridges for 2 x 110 m² Art. No. 103050

d-lab.1/fp.210
Film Cartridge F1 for d-lab.1/fp.210 Kit with 4 Cartridges for 4 x 400 films Art. No. 5G9Y6
Film Cartridge F2 for d-lab.1 Kit with 2 Cartridges for 2 x 200 films Art. No. 5KW6V
Film Cartridge F2 for fp.210 Kit with 2 Cartridges for 2 x 200 films Art. No. 5G9Z8

Frontier 330/350/355/370/375/390
RA-4 Paper Cartridges Type 48 Replenisher kit with 2 cartridges: for 2 x 111 m² Art. No. 103012

Frontier 340/500/550/570/590/LP 7000er Serie
RA-4 Paper Cartridges Type 49 Replenisher kit with 2 cartridges: for 2 x 111 m² Art. No. 103014

Konica Minolta R1 / R2 ecojet P-Compact Type 02 Für Noritsu und Konica Minolta ecojet Minilabs Art. No. 100441
**Less is more**

Conventional photo chemicals usually consist of several parts which have to be mixed with water in a specified sequence. Getting the parts in the wrong order, using the same part twice or too fast, these are typical mistakes which even experienced staff can make time and again.

The idea of combining several parts in one concentrate has been effectively implemented in TETENAL monoline which to all intents and purposes eliminates the possibility of mix-ups and mistakes during the preparation process.

**Advantages:**

Using monoline is not only safe, it is also extremely simple: Add monoline to the water, stir and the replenisher is ready. Due to the 1-part formula, the volume of waste regarding plastic bottles and cardboard packaging is reduced by 50%.

**monoline RA-4**

monoline Colour Developer RA-4

monoline colour developers are the perfect product for minilabs: pour water, add monoline concentrate, stir shortly, ready! Depending on the machine size and work load, different products with replenishment rates from 160 ml/m² at low work load until 45 ml/m² at very high work load can be selected.

monoline SP45 is a ready-to-use solution and therefore offers particularly comfortable and practical handling. For labs with high flow rate, SP80 for 100 l is the ideal product. monoline colour developers can be combined with all bleach fix and super stabiliser products.

**Colour Developer Replenisher CD-R SP 160**

Standard Rate 160 ml / m², 35 °C

Pack for 4 x 10 litres  
Art. No. 104512

**Colour Developer Replenisher CD-R SP 108**

Medium Rate 108 ml / m², 38 °C

Pack for 4 x 10 litres  
Art. No. 104435

**Colour Developer Replenisher CD-SLR SP 80**

Super Low Rate 80 ml / m², 38 °C

Pack for 4 x 10 litres  
Art. No. 102591

10 litres conc. for 100 litres  
Art. No. 102592

**Colour Developer Replenisher CD-ULR SP 45**

Ultra Low Rate 45 ml / m², 38.5 °C

Pack 2 x 5 litres  
Art. No. 102101

Ready-to-use solution

**monoline Bleach Fix Replenisher RA-4 BX-VR SP**

Universally applicable bleach fix with variable replenishment rate – depending on the used process and throughput of the processor, the replenishment rate is 215 ml, 108 ml, 70 ml or even only 54 ml per m².

The modern 1-part formula allows a comfortable and quick handling.

The concentrate has to be diluted differently with water according to the requested or desired replenishment rate – the less water, the lower the replenishment rate.

**Standard Rate:** 215 ml / m² for 4 x 10 litres

**Medium Rate:** 108 ml / m² for 4 x 7 litres

**Intermediate Rate:** 70 ml / m² for 4 x 5 litres

**Low Rate:** 54 ml / m² for 4 x 4 litres

**Bleach Fix Replenisher BX-VR SP**

**Variable Rate:** 54 – 215 ml / m²

Pack for 4 x 4 – 4 x 10 litres  
Art. No. 102059
Only the Best

The field of prolab has to undergo manifold changes in recent years, new additions are online labs and photo book manufacturers. In order to meet our customers’ diverse needs, Tetenal has a wide product portfolio of professional chemicals. Processing parameters, packaging sizes and number of the parts are different – the satisfaction of highest demands regarding processing quality and efficiency are constant.

Benefits:
The wide Tetenal portfolio offers a customised range of products for each single process step – depending on application specific requirements as type of machine, tanks, mixing equipment, work load, used paper and volume. Any type of constellation will be covered: beginning from ready-to-use solutions in small packages to IBC containers with 1,000 l super low rate concentrates and up to the recycling of colour developers and bleach fixes all customer needs are served from a single source.

Colour Developer Replenisher PROF. DIGITAL PLUS DP160
Pack for 50 litres Art. No. 102268
CD-R PROF. DP160 produces a deep black and clean crisp whites - the ideal developer for professional papers such as Fuji DP 2 and KODAK Premier. DP160 is a top rank product to match the highest demands - the developer is extremely stable and supplies a perfectly balanced sensitometry.
2-part formula. 35°C. Replenishment rate: 160 ml/m².

Colour Developer Replenisher CD-RT
Pack for 100 litres Art. No. 102021
Part 1 10 litres conc. for 200 litres Art. No. 102068
Part 2 5 litres conc. for 200 litres Art. No. 102069
Part 3 10 litres conc. for 200 litres Art. No. 102070
Colour Developer formula to ideally meet the requirements of ProLabs with roller transport equipment. Suitable also for minilabs with very low workload. CD-RT has a high tolerance for process fluctuation, the developer provides a very stable and clean working process, it delivers bright whites and deep blacks. Recommended for professional papers like Fuji DP 2 and Kodak Premier.
3-Part formula. 35°C, 215 ml/ m².

Bleach Fix and Replenisher BX-RT
Part 1 for 50 litres Art. No. 102363
Part 2 for 50 litres Art. No. 102364
Specific RA-4 Bleach Fix, designed for professional papers with a high silver content, e.g. Fuji DP 2 and Kodak Premier. Special accelerators make the BX-RT a safe as well as a user friendly product, ideal for ProLabs. An enhanced oxidation protector prevents from decomposition (sulphurisation) under poor workload conditions. 2-Part formula. 215 ml/m².

Super Stabilizer Replenisher Premium
Pack with 2 x 5 litres concentrate for 2 x 100 litres. Art. No. 102257
Premium formula for highest requirements. Maximum resistance to the formation of algae and other microorganism. Optical brighteners subserve clean whites.
1-Part formula. 200 ml / m² (4 tanks) / 280 ml / m² (3 tanks)

Universal Start-Up Kits – RA-4 Working Solution
The Universal Start-Up Kits RA-4 make the initial tank-up and refilling of Minilabs with fresh working solutions as simple as ABC! External mixing containers and complicated calculations with Starters etc., are no longer necessary.
The mixing of the TETENAL Start-Up Kits is done directly in the appropriate working tanks of the minilab. Fill the tank with water as instructed in the easy to follow instructions, add the required number of start-up kits for your type of minilab as listed, top up with water, bring up to working temperature and you are ready to go!
Suitable for all minilabs such as Agfa d-lab, Fuji Frontier, Noritsu, Konica Minolta, KIS, Gretag and others. They are truly universal!

For 2 x 4,5 l Colour Developer RA-4 Art. No. 103022
For 2 x 4,5 l Bleach Fix RA-4 Art. No. 103023
First Developer Replenisher  
**FD-R**  for 50 l  
Art. No. 105480

10 l conc. Replenishment rate 2150 ml/m². For the mixing of working solution First Developer Starter Art. No. 105448 is requested.

Reversal and Replenisher  
**REV**  for 100 l  
Art. No. 105481

5 l conc. Replenishment rate 1100 ml/m². Working solution and replenisher are identical.

Colour Developer Replenisher Part 1  
**CD-R**  for 50 l  
Art. No. 105482

10 l conc. Replenishment rate 2150 ml/m². For the mixing of working solution Colour Developer Starter Art. No. 105441 is requested.

Colour Developer Replenisher Part 2  
**CD-R**  for 50 l  
Art. No. 105483

10 l conc. Replenishment rate 2150 ml/m². For the mixing of working solution Colour Developer Starter Art. No. 105441 is requested.

Pre Bleach and Replenisher  
**PB**  for 50 l  
Art. No. 105484

5 l conc. Replenishment rate 1100 ml/m². Working solution and replenisher are identical.

Bleach Replenisher  
**BL-R**  for 10-20 l  
Art. No. 105485

10 l conc. for 10 l replenisher (ready-to-use solution) or for 20 l working solution. Replenishment rate: 215 ml/m². For the mixing of working solution Bleach Starter Art. No. 103333 is requested.

Fixer and Replenisher  
**FX**  for 80 l  
Art. No. 104356

10 l conc. Replenishment rate 1100 ml/m². Working solution and replenisher are identical.

Stabilizer and Replenisher  
**STAB**  for 1.000 l  
Art. No. 105366

10 l conc. Replenishment rate 1100 ml/m². Working solution and replenisher are identical. Formalin free.

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**professional line C-41**

Colour Developer Replenisher SP45  
**CD-R**  for 2 x 5 l  
Art. No. 102570


Bleach Replenisher and Regenerator  
**BL-R**  10 l conc.  
Art. No. 104354

For 30 l Replenisher or 250 l Regenerator. Replenishment rate 33 ml / 135-36

Unicolor Superfix  
**FX-VR**  für 2 x 4-24 l  
Art. Nr. 102671

Variously usable, highly concentrated colour fixer. Depending on process, the concentrate is diluted differently. 2 x 3 litres conc. for 2 x 20 litres FX. Replenishment rate 66 ml / 135-36

Stabilizer and Replenisher  
**STAB-BNP**  for 100 l  
Art. No. 102810


Additiv CD Long Life  
1 l  
Art. No. 102951

Antioxidant for C-41 and RA-4 Colour Developer. 1 litre dosage bottle with dispensing dosing head. Dosage: 5 ml / litre.

Tetenals’ new and highly effective protection against oxidation. Extends the life of colour developers at sites with low work load.

Add every 2 weeks directly to the working solution – and each time you mix replenisher.

Ideal for C-41 CD-R and CD-LR, (not required for CD-SP 45). Perfect for machines with liquid processing cartridges or ecojet tablets - also add every 2 weeks directly to the working solution.

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**MonoLine Super Stabilizer**

The 1 l dosage bottle with 2 spouts enables a particularly easy and variable handling. The bottle can be completely emptied for the mixing of 100 l solution – alternatively, part removals of the concentrate for the mixing of each 5 l solution by means of the integrated metering chamber are possible. On 4 tank cascade, the replenishment rate is 195 – 250 ml/m² depending on the work load, on 3 tank cascade, the replenishment rate is 350-400 ml/².

**Super Stabilizer**

1 litre conc. for 10 x 10 litres or 20 x 5 litres  

Art. No. 102812

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**MonoLine C-41**

**C 41 Colour Developer Replenisher CD-R SP45**

Innovative Long Life formula, designed to meet the special demands of low workload conditions, ideal for Professional Labs and Minilabs.

Application of SP 45 is very simple and safe – thanks to the ready-to-use 1-part formula mixing errors are ruled out by 100%. The bottles are equipped with a strap-handle, thus very convenient to use and most important: to pour without any splashes.

SP 45 is a perfect start-up product for mixing fresh colour developer working solution – applicable in any processor type, including Konica Minolta ecojet machines.

Universal new fixer concentrate for colour processes, designed for C-41 and E-6. Depending on the individual process the concentrate is diluted in a different ratio and applied without any further change of process parameters. Unicolor Superfix offers highest efficiency at simplified logistics and reduced freight costs.

**Unicolor Superfix - Minilab processes:**

- C-41 RA: for 2 x 10 litres
- C-41 BNP: for 2 x 20 litres
- CN-16 Q: for 2 x 16 litres
- CN-16 FA: for 2 x 4 litres
- CN-16 L: for 2 x 4 litres

**Unicolor Superfix - ProLab processes:**

- C-41: for 2 x 20 litres
- E-6: for 2 x 24 litres

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**Colour Developer Replenisher CD-R SP45**

Long Life Formula

2 x 5 litres Ready-to-use solution  

Replenishment rate: 45 ml/135-24  

Art. No. 102570

**Bleach Replenisher BL-RA**

5 litres Ready-to-use solution  

Art. No. 102664

**Unicolor Superfix FX-VR**

2 x 3 litres conc. for 2 x 4-24 litres. Universal fixer concentrate for colour processes, highly concentrated, designed for C-41 RA, also for C-41 BNP, CN-16 Q, CN-16 FA, CN-16 L, Standard C-41 and E-6.  

Art. No. 102671

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**Stabilizer and Replenisher STAB-BNP**

1 litre, dosage bottle  

For 20 x 5 / 10 x 10 litres  

Replenishment rate: 40 ml/135-24  

Art. No. 102810

**Additiv CD Long Life**

Oxidation protector for C-41 und RA-4 colour developer.  

Dosage: 5 ml / litre working solution or replenisher.  

1 litre dosage bottle  

Art. No. 102951