

# update

01|2014



## Ivocerin®

### New light initiator in Tetric EvoCeram® Bulk Fill

Are 4-mm increments, natural esthetics and short curing times mutually exclusive? The answer is "No". All of these features can be achieved together thanks to the high quantum-yield of the new light initiator Ivocerin®.

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Designed for optimum prosthetics

#### DIRECT RESTORATIVES



The 2-mm increment technique has been the standard application method for direct dental composites for many years. Over time, the properties of composites have been continuously improved. Furthermore, the bond strength of adhesives has been optimized. Only the light initiators and the light-emitting efficiency of the photo-polymerization process remained unchanged for many years.

#### Ivocerin® – a milestone in composite technology

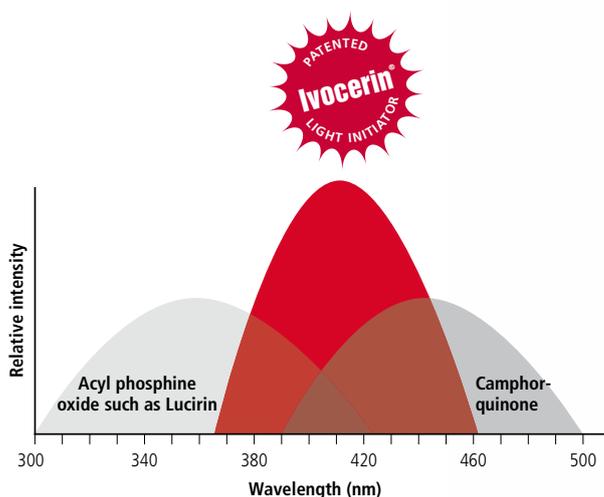
Ivocerin represents a true alternative to the conventional light initiators camphorquinone and acyl phosphine oxide, such as Lucirin TPO. The new and patented germanium light initiator impresses with an intensive absorption in the visible light range and is therefore many times more reactive than conventional light initiator systems.

Translucency, shade and curing depth are not compromised, as is often the case with composites containing conventional initiators. The highly reactive Ivocerin allows the material's translucency to be established at a level that ensures maximum esthetics while still enabling short exposure times of only ten seconds ( $\geq 1,000$  mW/cm<sup>2</sup>).

#### More safety

Naturally, Tetric EvoCeram Bulk Fill can also be applied in conventional thin layers, offering enormous benefits to the practitioner all the same. Particularly in cases in which the layer thickness is difficult to estimate or in which the curing light is difficult to position, Tetric EvoCeram Bulk Fill ensures a more reliable cure due to the highly reactive Ivocerin initiator.

More detailed information regarding the innovative Ivocerin light initiator can be found in the Ivoclar Vivadent R&D Report, No. 19, July 2013. The report can be ordered in English or German at [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com).



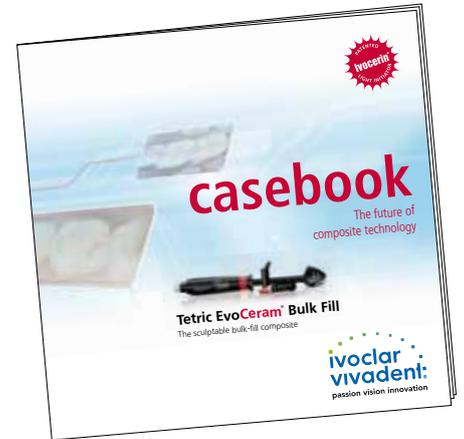
# Tetric EvoCeram® Bulk Fill Casebook

## Impresses users

**One layer – one impressive result. Dental professionals who have already been working with Tetric EvoCeram® Bulk Fill greatly appreciate the advantages of this posterior composite.**

Three patented key components contribute to the success of this modern bulk-fill technology: the light initiator Ivocerin, the light sensitivity filter and the shrinkage stress reliever. All experts agree on this.

The casebook includes nine clinical cases represented by internationally renowned dentists. The English/German and Spanish/French versions of this casebook can be ordered at [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com).



## New light probe for the Bluephase® Style



**Since September all Bluephase® Style curing lights have been equipped with a new light probe. Thanks to the homogeneous heat distribution, the Bluephase Meter can now be used for the first time.**

The integration of an additional glass element within the light probe causes the light to be emitted more homogeneously. The radial-symmetrical emission allows the dental professional to check the light intensity of the Bluephase Style using the Bluephase Meter. Furthermore, the homogeneous light emission results in a significantly lower heat perception in the patient's mouth.



Previous light probe



New light probe



Measuring the light intensity with the Bluephase Meter

## Bluephase® Style receives additional awards



The independent US test institute "The Dental Advisor" has once again confirmed the excellent properties of the Bluephase Style curing light and awarded the product the **highest possible rating of five stars ("excellent")** as well as the title **"Editor's Choice"**. The test users appreciated in particular the low weight, the ergonomic design, the noiseless operation and the simple and reliable battery charging. Similarly, the readers of the dental magazine "Dentistry Today" are impressed with the product's market success and rated the Bluephase Style among the "Top 50 Technology Products 2013".



# A comprehensive system for esthetic dentistry

**Naturally white teeth are a desire frequently voiced by patients. In order to meet the expectations of patients, Ivoclar Vivadent offers products for high-quality restorations, such as Tetric EvoCeram®, IPS Empress® or IPS e.max®, in Bleach and light shades. For the whitening of natural teeth, VivaStyle® is the product of choice.**

## Gentle tooth whitening using a tray

The VivaStyle® gels contain the proven ingredient carbamide peroxide for the effective and gentle whitening of teeth. The concentration of carbamide peroxide ranges from 10 per cent and 16 per cent to 30 per cent. The new component potassium nitrate, the new mild mint flavour, the soft tray material and the short application times allow a gentle and effective whitening of the teeth.

## Effective tooth whitening without using a tray

VivaStyle Paint On Plus is a varnish system containing 6 per cent hydrogen peroxide and provitamin D-Panthenol. After the diagnosis, the dentist applies the varnish to the teeth. For the treatment at home, the dentist explains the patient how to apply the varnish at home.

VivaStyle Paint On Plus is applied directly to the teeth with a brush. After drying, the varnish remains on the teeth for 10 minutes. The varnish system does not dissolve in saliva and takes effect within minutes of being applied. Individual teeth or several teeth in a row can be whitened.

Detailed information on the VivaStyle system for the practice team as well as brochures for the patient consultation can be ordered at [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com).



With VivaStyle Paint On Plus, individual teeth or several teeth in a row can be whitened.



VivaStyle Paint On Plus forms a water-resistant coating on the teeth.

# Improved oral health in radiation patients

**Tumour radiation treatment in the mouth, head or neck region can have detrimental effects on the teeth, gingiva and mucous membrane of the patients. Cervitec® Gel, Cervitec® Liquid and Fluor Protector improve the oral health in such patients.**

If a tumour radiation treatment is performed in the mouth, head or neck region, the mucous membrane, the salivary glands and the upper and lower jaw lie usually within the radiation area.

Side effects such as a dry mouth, increased vulnerability of the mucous membrane to infections and aggressive caries might occur. In a pilot study performed at the University of Zagreb, patients with this condition underwent a strict treatment for caries prevention.

The application of the fluoride varnish Fluor Protector in combination with the chlorhexidine products Cervitec® Gel and Cervitec®

Liquid resulted in improved oral health of the teeth and the mucous membrane. Most importantly, the quality of life improved as well.

References:  
Alajbeg et al.: Strategies for prevention and treatment of head and neck radiotherapy complications. Support Care Cancer 2012; 20 (Suppl 1): p. 230

Alajbeg et al.: Strategies for prevention and treatment of head and neck radiotherapy complications – oral health improvement using fluoride containing products. International Symposium on Supportive Care in Cancer, New York City. 28 – 30 June 2012



The alcohol-free mouthrinse Cervitec Liquid contains chlorhexidine and xylitol.



The mild oral healthcare gel Cervitec Gel contains chlorhexidine and fluoride.

# OptraSculpt® Pad

## Awarded "Clinical Problem Solver 2013"



"The Dental Advisor" recommends the use of the OptraSculpt® Pad modelling instrument for the contouring of sticky composites.

Even despite the excellent properties of composite resins, their contouring remains a very challenging step during the treatment phase. Highly esthetic composites, in particular, demonstrate a rather sticky consistency due to their filler composition and are therefore more difficult to process.

The OptraSculpt® Pad modelling instrument with its special foam pad attachments is designed for the efficient, non-sticky forming and shaping of composite fillings. Its qualities have now been confirmed by the US test institute "The Dental Advisor". The renowned US institute awarded OptraSculpt

Pad the title "Clinical Problem Solver 2013" and evaluated the instrument's characteristics to be excellent to prevent the adhesion of composite materials during processing.

FIXED PROSTHETICS



# Programat® P510 with infrared technology



## A world debut that excites users

The new Programat® P510 with integrated infrared camera impresses increasingly more users in the day-to-day practice. But what is the added value of such an innovative technology?

With the new Programat P510 ceramic furnace, the temperature can be measured directly on the surface of the ceramic restoration. The intelligent software defines the optimum predrying and closing temperature for each firing cycle. Furthermore, the positioning of the furnace head and the required power are automatically controlled by the furnace.

When analyzing the optimum predrying temperature, the following aspects are considered:

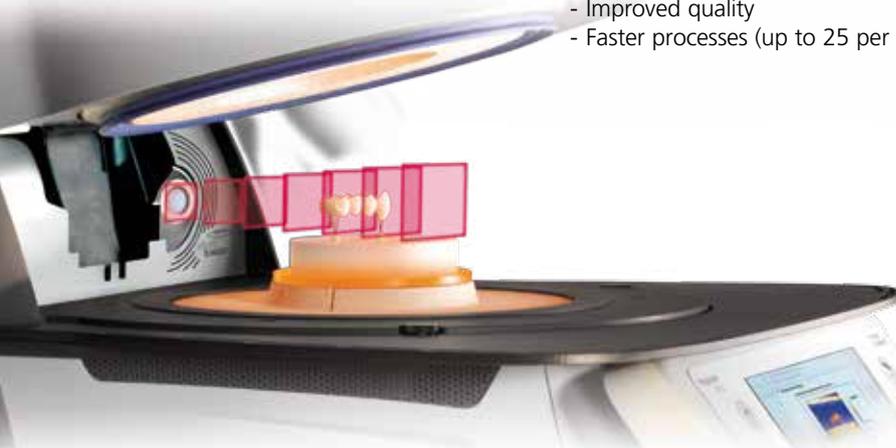
- Object size
- Number of objects (extent of loading)
- Surface moisture

This results in the following benefits for the user:

- Increased process safety
- Improved quality
- Faster processes (up to 25 per cent)

The new Programat P510 with integrated infrared camera allows its users to fire ceramic materials even more easily and faster. As a result, high-quality restorations with life-like esthetics are achieved.

Further information on the infrared technology can be found in the Special Update Equipment. The Special Update Equipment can be ordered in English or German at [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com).



# PrograBase X10

## The multifunctional software for Programat furnaces

The PrograBase X10 software has been developed in combination with the new furnace generation and is characterized by its uncomplicated handling. The new software design offers many new and optimized functions. Furthermore, the PrograBase X10 is an ideal tool for the modern data transfer between the furnace and the PC/laptop.

### Main functions of the software:

#### Control

The program number, the firing status and the current firing temperature can be directly controlled on the user's computer.

#### Data management

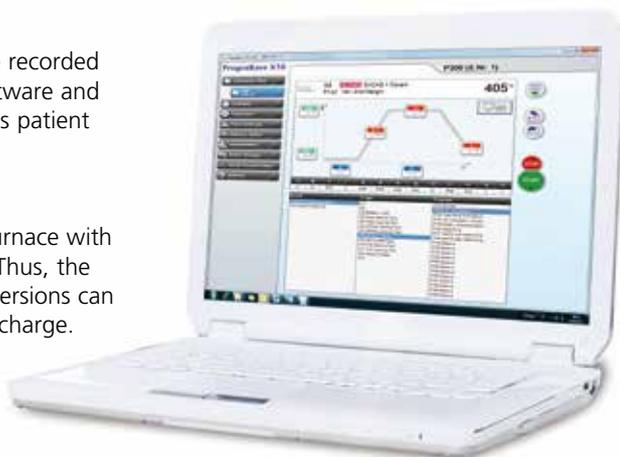
Additionally, firing programs can be changed directly on the computer. New programs can be created and existing data can be copied from one furnace to another.

#### Protocol

Performed firing cycles can be recorded using the PrograBase X10 software and additional information, such as patient data, can be added.

#### Download

Only one click connects the furnace with the Ivoclar Vivadent website. Thus, the most recent device software versions can be easily downloaded free of charge.



## REMOVABLE PROSTHETICS



# SR Phonares® II, IvoBase® and SR Nexco®

## Designed for optimum prosthetics



Removable prosthetics should no longer be run of the mill or have a purely functional purpose. Individualized esthetic aspects are increasingly gaining importance. This applies not only for the white esthetics but also for the gingival parts.

SR Phonares® II with its natural shape and shade system, the innovative prosthetics system IvoBase® and the lab-composite SR Nexco® with its light-curing materials and shades covering even the gingival areas are state-of-the-art materials which meet all the requirements of excellent esthetics.

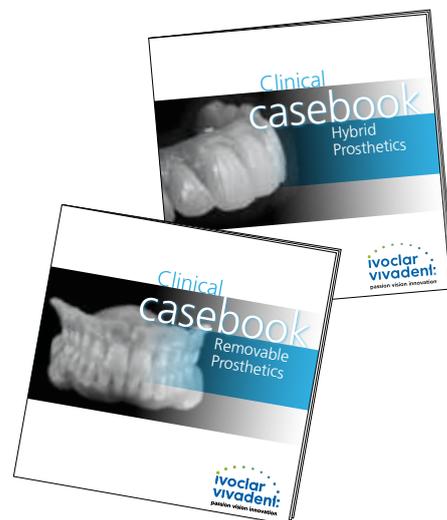
The SR Nexco shade range has been complemented with two new Intensive stains: Stains red and Stains chili. These rich and intensive red hues have so far been missing in the shade range for the customized reproduction of the gingiva. The slightly viscous pastes allow the dental professionals to easily imitate the blood vessels in the gingiva.



# Prosthetics – a close-up

Since the end of November 2013, two clinical casebooks have been available for the patient communication. Thirteen cases from eight different countries demonstrate impressively how the appearance and charisma of a patient are positively changed by means of individualized prosthetics. All patient cases were realized using SR Phonares. In most cases, the IvoBase system was used as a denture base material. Some cases report also on the use of SR Nexco Gingiva for the reconstruction of the gums. These cases are particularly remarkable as the results show that the natural model can be imitated almost to perfection using SR Nexco Gingiva.

Both casebooks can be ordered in English and German at [info@ivoclarvivadent.com](mailto:info@ivoclarvivadent.com).



## THE QUALITY OF ESTHETICS

Powered by Ivoclar Vivadent

### COMPETENCE IN ESTHETICS

Rimini, 7 – 8 March 2014

[www.ivoclarvivadent.it/ccie2014](http://www.ivoclarvivadent.it/ccie2014)

### INTERNATIONAL EXPERT SYMPOSIUM 2014

London, 14 June 2014

[www.ivoclarvivadent.com/ies2014](http://www.ivoclarvivadent.com/ies2014)

### XIX SEMINARIO INTERNACIONAL

Mexico City, 15 – 16 August 2014

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