



SIROInspect for a safe and secure monitoring of caries

Don't let caries become  
a repeat offender.

The Dental Company

sirona.



## SIROInspect – don't let checkups become a matter of luck.

With SIROInspect you can be sure of recognising caries quickly and simply during dental excavation. Unlike manual staining, for example, you are able to see straight away whether any treatment is needed: red-fluorescent light indicates all carious areas on a large scale. It will be easy for you to make the right decision and you will know with certainty to what extent existing caries has to be excavated. And there will be no change to the sequence of your normal working routine – simply switch on the probe, carry out your check-up and then treat as usual.

### Your advantages at a glance:

With SIROInspect you can be sure to have all advantages on your side because working with SIROInspect means a safe, fast and simple control.

## The secret is: light with no dark sides.

Every day you have to make important decisions with regard to caries. This is often not as easy as it sounds. We are now able to simply help you make the right decision during caries excavation: SIROInspect with FACE® technology immediately puts the spotlight on bacterially infected dentine – so all you need to do is drill where the bacteria actually are. **Enjoy every day. With Sirona.**

### SAFE

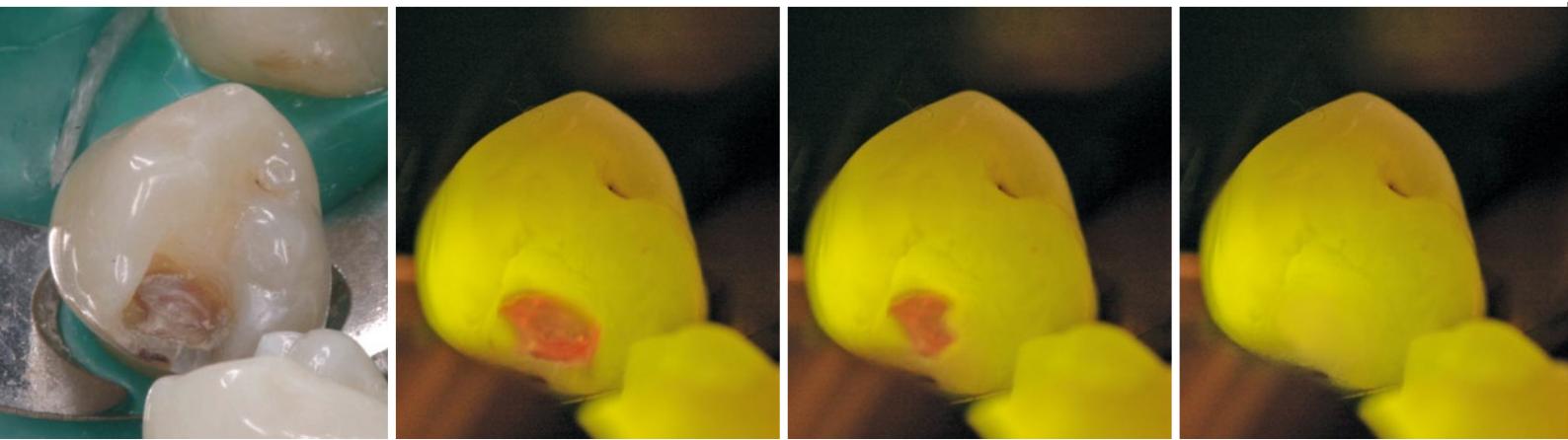
SIROInspect is a reliable aid for your decisions. Making your work minimally invasive and patient friendly.

### FAST

It takes a few seconds for stains to work. SIROInspect needs just the simple press of a button – and you will immediately see where excavation is needed.

### SIMPLE

SIROInspect is easy to operate and can be flexibly integrated into your workflow. Its cable-free operation enables you to treat in more than one room with a single instrument.



© Prof. Dr. Wolfgang Buchalla

# Red fluorescence for caries. And your check-up becomes a mere “thumbs up”.

This is how it works: during excavation the probe illuminates the tooth with violet light (approx. 405 nm). This stimulates both decomposition products of caries bacteria as well as healthy dentine to fluoresce. The diagnostic glasses supplied with the SIROInspect filter out short wavelengths below 500 nm. Light of higher wavelengths remains visible thanks to the filter. In this way, red fluorescing carious areas can be recognised both quickly and safely. Healthy tooth material differs in this respect by fluorescing green.

## The product highlights:

SIROInspect is the result of many years of research. During its development we paid particular attention to ease of handling as well as technical innovation. SIROInspect with FACE® technology can be easily integrated into your workflow and you will soon see that controlling caries becomes safer and simpler than ever before.



Probe

We couldn’t have made it easier for you! All you have to do is switch on the probe and start the check-up. Since it runs on a rechargeable battery, you are completely flexible in your movements.



Fibre optic light source

The two fibre optic light sources can be sterilised and are very small in diameter, offering you the best view of the area to be prepared. This guarantees excellent accessibility.



Battery charger and diagnostic glasses

A space saving battery charger will recharge the two storage batteries in just one hour; the diagnostic glasses offer a wide range of uses and are also suitable for wearers of glasses. Further attachments, e.g. formagnifying glasses, are available as optional accessories.

# SIROInspect: tried and tested and found to be outstanding.

Our innovations are subjected to numerous tests before being brought to the market. SIROInspect and FACE® technology were also put through their paces in various scientific trials and user studies to check for any teething problems. The result: SIROInspect with FACE® technology works with greater reliability than other control methods for the prevention of secondary caries.

Advantages over conventional methods:

System	Sensitivity		Specificity	
	Study*	Study **	Study*	Study **
SIROInspect with FACE® technology	94 %	100 %	83 %	91 %
Tactile probe	76 %	89 %	65 %	77 %
Caries detector	65 %	78 %	17 %	27 %

\* Lennon, Residual Caries Detection Using Visible Fluorescence, 2002.  
\*\* Buchalla, Luminescence Assisted Caries, 2004.

98% of red-fluorescing dentine could clearly be brought into association with porphyrins, the decomposition products of caries bacteria.\*

\* Buchalla, Porphyrins Are the Cause of Red Fluorescence of Carious Dentine Verified by Gradient Reversed-Phase HPLC, 2008.

“With SIROInspect I was able to make the right decision. In this respect, I feel much more self-assured.”  
*(Dr. Simone Suppelt, Alsbach-Hähnlein)*



“I simply switch on SIROInspect and immediately see whether any carious dentine still has to be removed.”  
*(Dr. Bernhard Kirn, Freiburg)*

“Whereas I used to have to wait for the stain to work, today I am already halfway through the treatment.”  
*(Dr. Michael Dunker, Mannheim)*



“Actually, with SIROInspect I work exactly as I did before – but now with greater certainty and with overall better quality.”  
*(Dr. Johannes Heimann, Frankfurt)*

Comes with everything you need – scope of delivery and accessories:

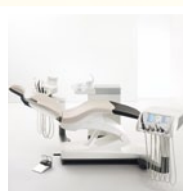
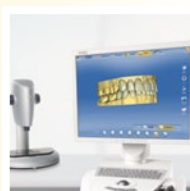
Equipment	REF
SIROInspect (incl. battery charger with power adapter and two rechargeable batteries, probe and two fibre optic sources 90°, diagnostic glasses, clinical guideline)	63 25 174

The accessories:



Accessory	REF
Battery charger	63 75 435
Probe, complete (body, fibre optic source 90°, rechargeable batteries, diagnostic glasses)	63 75 534
Body (without fibre optic source, without rechargeable batteries)	63 75 401
Fibre optic source 90°	63 75 419
Fibre optic source 90° (pack of 3)	63 75 484
Fibre optic source 140°	63 75 542
Fibre optic source 140° (pack of 3)	63 75 559
Diagnostic glasses (yellow)	63 75 450
Diagnostic glasses (orange)	63 75 518
Attachment for magnifying glasses	63 75 583
Rechargeable batteries	63 75 443





### **Sirona – unique worldwide systems expertise in dental equipment products**

Sirona develops and manufactures a comprehensive range of dental equipment, including CAD/CAM Systems for dental practices (CEREC) and laboratories (inLab), Instruments and Hygiene Systems, Treatment Centers and Imaging Systems. Sirona manufactures high technology products that guarantee ease of use and a high return on investment – for the good of your practice and for the benefit of your patients. In this way, you can approach every challenge you face with confidence. **Enjoy every day. With Sirona.**

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