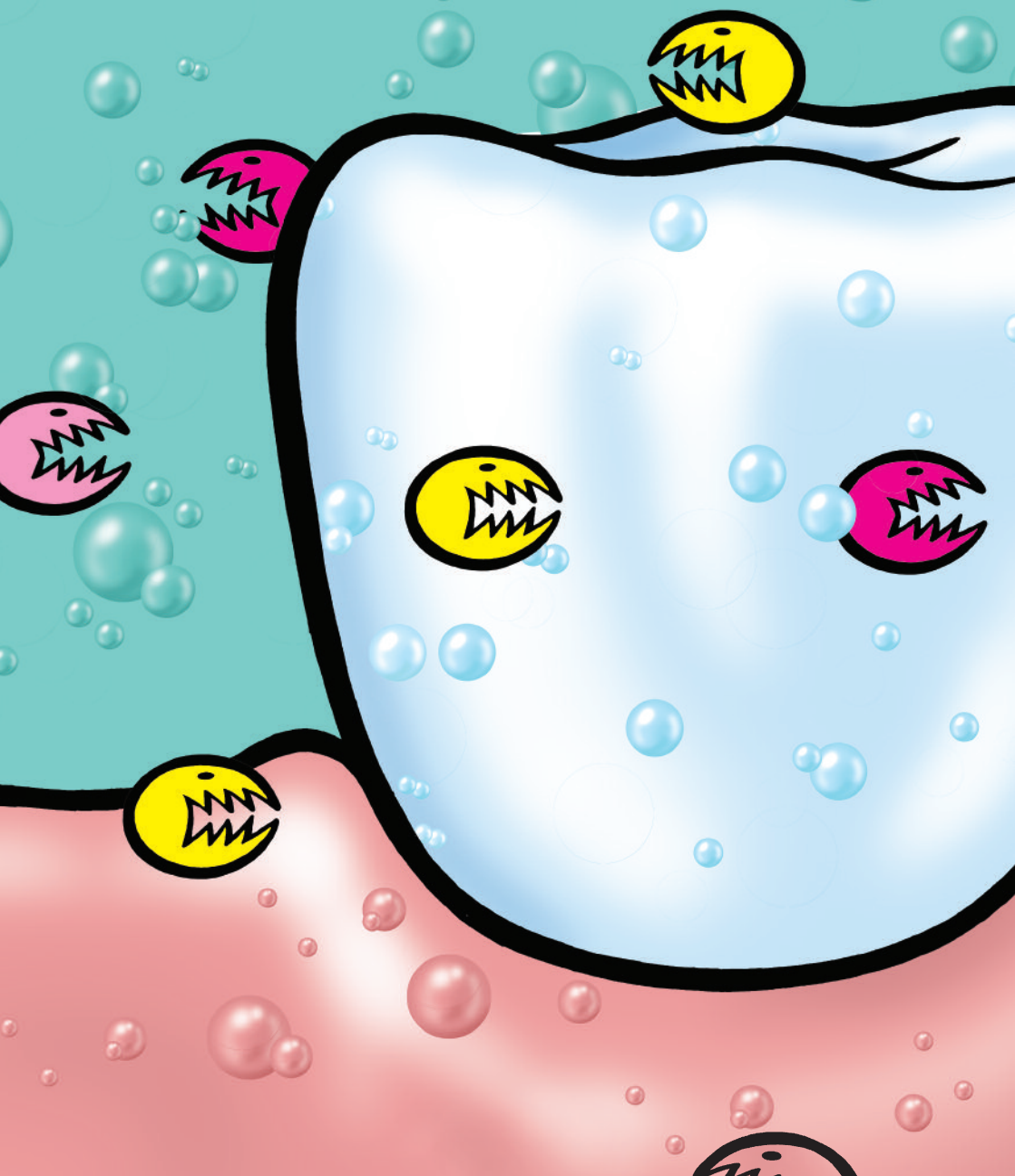


CRT[®] Caries Risk Test



Make the invisible visible.



CRT®

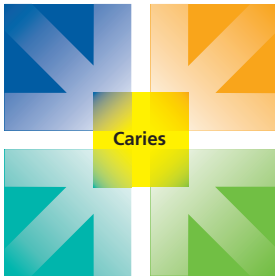
The basis for customized treatment

Cariogenic germs

Many different factors influence oral health. Eating habits, the natural resistance of the tooth structure, microorganisms, and saliva all play an essential role in the development and progression of caries.

Individual factors

Micro-organisms



Carbohydrates

Time and frequency

Factors influencing the development of carious defects

Early diagnosis

To achieve early diagnosis, it is important to analyse a patient's caries risk. Only then is it possible to fight the causes of caries and employ individual, customized treatment measures. The CRT caries risk test enables you to do just this.

CRT bacteria

To determine the mutans streptococci and lactobacilli count in saliva



CRT buffer

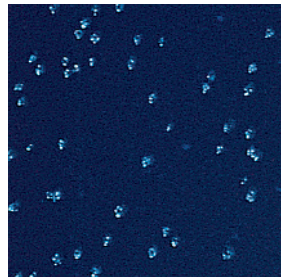
To determine the buffer capacity of the saliva



Cariogenic bacteria

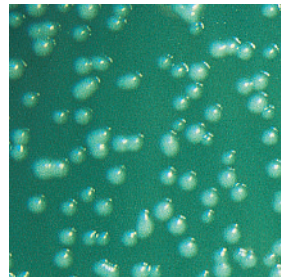
Bacteria produce acids from carbohydrates. These acids demineralise the tooth structure.

Mutans streptococci



Mutans streptococci play a decisive role in the onset of caries.

Lactobacilli



Lactobacilli contribute to the progression of caries.

Pictures by
PD Dr. S. Kneist, Erfurt

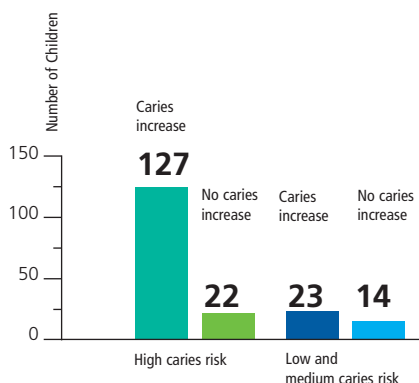


CRT[®] bacteria



High caries risk

High bacterial counts indicate a high caries risk. If the protective factors opposing the bacteria are inadequate, carious defects may develop.

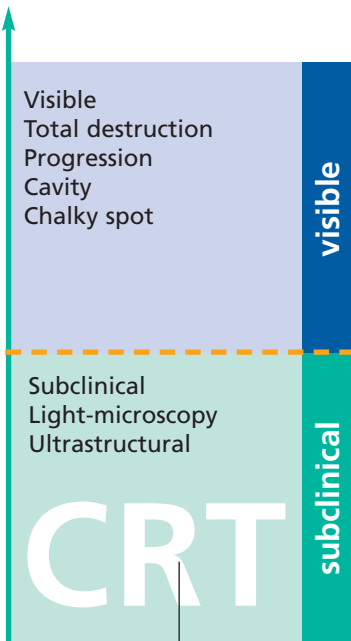


Forecast and actual increase in caries (12- to 13-year-olds after 4 years) based on the mutans streptococci and lactobacilli counts in saliva (Kneist 1998)

In-depth information

CRT bacteria and CRT buffer supply subclinical information that is normally inaccessible. CRT enables early intervention, even before carious defects can be visually detected.

Mineral loss (symptoms)

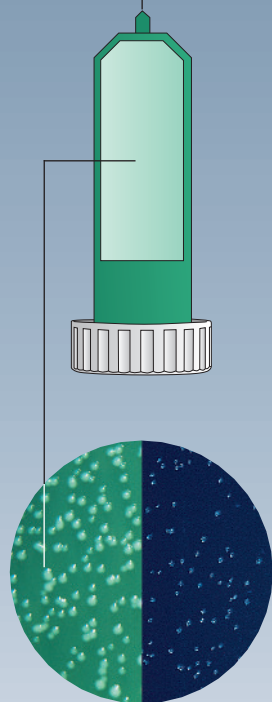
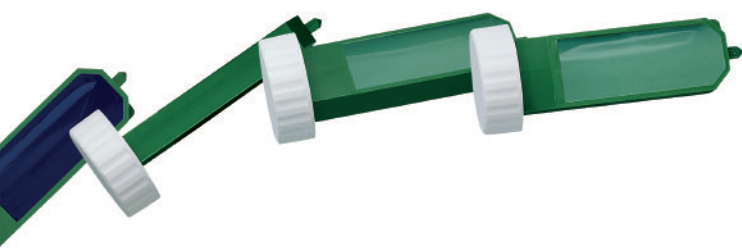


CRT bacteria – accurate diagnostic reading

- two in one: records the mutans streptococci and lactobacilli count
- high selectivity
- hygienically sealed agars
- scientific basis

CRT bacteria – easy handling

- quick and easy to use
- results after just 2 days



CRT® buffer

Natural protective factors

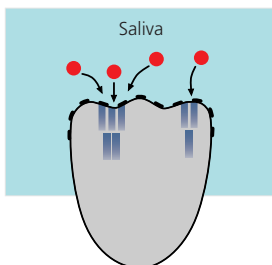
Buffer systems contained in the saliva can neutralize acids which are harmful to teeth. How capably the buffer systems are doing their job can be revealed by determining the buffer capacity of the saliva with CRT buffer.



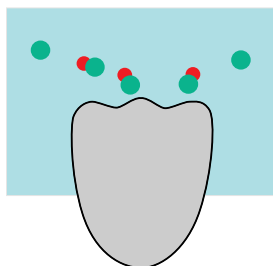
CRT buffer – consistent quality

- individually packed test strips
- reliable results

Demineralisation by acids



Protection by buffer systems



CRT buffer – easy handling

- quick and easy procedure
- results after just 5 minutes



CRT®

For a partnership based on trust

between
dentist ...

- targeted patient education
- early preventive measures
- individualized recall intervals

... and patient

- individual care and support
- early detection
- long-term conservation of teeth

Establish a
dentist-patient
relationship
built to last!

With regular risk control examinations in conjunction with customized treatment measures

Targeted
treatment

To successfully implement professional, individualized treatment, we recommend the following Professional Care products for prevention, therapy and care:

Cervitec

the protective varnish with chlorhexidine for germ control

Fluor Protector

the fluoride-containing varnish for increased enamel resistance

Proxyt

the pastes for professional tooth cleaning and polishing

Helioseal
Helioseal F
Helioseal Clear
Helioseal Clear Chroma

the fissure sealants



CRT®

Delivery Forms

CRT® Intro Pack

3 dip slides CRT bacteria
3 test strips CRT buffer
Accessories

CRT® bacteria Refill

6 dip slides CRT bacteria
Accessories

CRT® buffer Refill

6 test strips CRT buffer
Accessories

Cultura Incubator

1 mini incubator
1 multirack sample
Holder



... to support communication with your patients

- flowchart
- therapy diagram
- treatment booklet for children
- treatment booklet for adults
- brochures

Literature:

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