



Saliva-Check BUFFER

Test For Saliva Quality, pH and Buffering Capacity



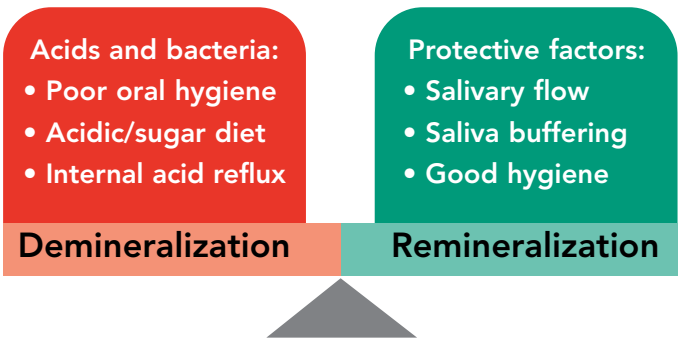
- Identify, measure and assess patient's possible caries risk based on saliva condition
- Test hydration, salivary consistency, resting and stimulated saliva pH, stimulated saliva flow and saliva buffering capacity
- Tool for developing preventive care treatment plan strategies and selecting dental materials for the needs of the patient

Saliva plays a significant role in maintaining oral health and is the body's natural caries defense. Understanding patients' saliva characteristics can give the dentist valuable information to determine treatment choices and strategies.^{1,2,3}

Saliva-Check BUFFER is a caries risk assessment tool that you can use to educate the patient, assist in preventive treatment planning and use to initiate changes in the patient's oral hygiene.



Chairside Test To Evaluate Saliva's Ability To Protect Teeth



Why is Saliva So Important?

Saliva is nature's primary defense system for the oral environment.

- Neutralizes acid challenges by flushing food and bacteria
- Acts as a lubricant by forming pellicle
- Delivers Calcium, Phosphate and Fluoride to teeth

When saliva is unhealthy, demineralization becomes the dominant factor.



Help Your Patient Strive for Oral Balance

This patient friendly procedure will help you to show the possible caries risk, by testing quality, pH and buffering capacity of saliva. This will assist you in planning an appropriate treatment and prevention program, educate your patients and initiate changes in their oral hygiene.

5 Quick Steps to Better Understand Your Patient's Oral Environment

GC's Saliva-Check BUFFER's first 3 steps involve unstimulated saliva while the last 2 steps involve the stimulated saliva. By evaluating both, the test will become a very useful communication vehicle to identify contributing factors like stress, smoking, disease, salivary gland pathology, chronic renal failure, drug abuse, menopausal hormone imbalance and medicine side effects. Results can be explained to the patient as part of the discussion about prevention and treatment. Together, the dentist and patient will be able to agree on a plan to bring the saliva back into balance.

Comprehensive Saliva Testing

- Hydration testing measures salivary production
- Salivary consistency testing visually assesses the viscosity of unstimulated saliva
- Resting saliva pH testing measures the pH of unstimulated saliva
- Stimulated saliva flow testing measures the quantity of saliva produced in 5 minutes while chewing an unflavored piece of wax
- Stimulated saliva pH testing measures the pH of saliva produced under masticatory stimulus
- Saliva buffering capacity testing measures the ability of saliva to minimize an acid challenge

Simple Test Procedure

- All 6 tests take less than 10 minutes total per patient
- In most cases, tests can be performed by trained auxiliaries
- Saliva-Check BUFFER makes it easier to initiate change in patient hygiene

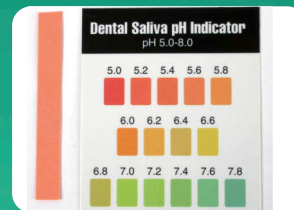
Resting Saliva



1. Hydration - Provide information about how the patient's lifestyle may be consequently affecting oral health.



2. Viscosity - Consistency of unstimulated saliva



3. Salivary pH - Determine whether acid levels may be dangerously high, possibly causing erosion or caries.



4. Saliva Flow - Measure quantity of stimulated saliva that can be produced to identify any major salivary gland diseases.



5. Buffering Capacity - Showing the effectiveness of saliva in neutralizing acids.

CDT Code for Saliva Check Buffer:
D0425-Caries Susceptibility Test
D0999-Unspecified Diagnostics Procedure

900200 Saliva-Check BUFFER

Contains:

- In Vitro pH Test Strips (20 pieces)
- Saliva Dispensing Cups (20 pieces)
- Wax Gum Pieces for Saliva Stimulation (20 pieces)
- Saliva Dispensing Pipettes (20 pieces)
- Buffer Test Strips (20 pieces)



¹Saliva: Of Emerging Importance in the Medical and Dental Worlds. Amy Nieves, RDH and Wendy Fitzgerald-Blue, RDH, BSDH, RDH, May, 2008. ²Minimal Intervention Dentistry, A New Focus for Dental Hygiene. Jane M. Chalmers, BDSc, MS, PhD, Dentistry Today, April 2008. ³Saliva Testing: Good Practice, Good Sense: Colleen Coulter, Professor Laurence J. Walsh, IDSA-SA and ID-Australasia Edn, July 07.

