

R&F Liquid

The eco friendly cleaning liquid for saliva suction systems

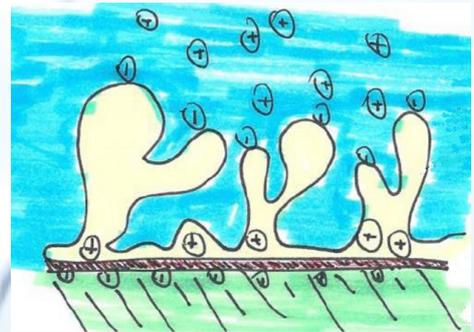
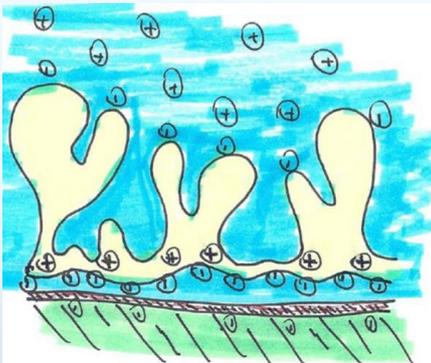
Dental surgeries have to deal with it every day, biofilm layer.

Bacteria nestle in scratches, small openings and hollow tubes. They form a slimy layer, the biofilm. Bacteria are virtually invulnerable in this virtually impermeable mucus layer. Standard disinfectants with ammonium compounds or enzymes kill a large part of the bacteria, but do not completely remove the biofilm. A known problem with cleaning and disinfecting endoscopy instruments ⁽¹⁾.

The biofilm that bacteria form to protect themselves against external attacks has a positive charge. The surface of drainpipes are negative charged. This results in a very strong adhesion of the biofilm to the walls of the drain pipes ⁽²⁾.

The unique effect of Rinse and Fresh is based on this positive and negative charge of materials.

A schematic representation of the negatively charged surface, the positively charged biofilm and the positively charged water. The result is a very strong adhesion.



The negatively charged R&F Liquid 'crawls' under the biofilm and loosens the biofilm from the surface it is attached to. The biofilm will flush away with the water, together with all bacteria.

R&F Liquid for your saliva suction system and spittoons does not kill bacteria, but ensure that the complete biofilm containing bacteria is washed away. Because R&F Liquid does not try to kill the bacteria itself, there is no chance of resistance, as with disinfectants.

The active ingredients of R&F Liquid are a combination of natural salts. It does not contain biocides, aldehydes or enzymes and is environmentally friendly.

R&F Liquid is safe for your saliva suction system and pumps.

⁽¹⁾ Prof. Dr. Greet Vos, Erasmus MC, April 2016

⁽²⁾ Mera MU & Beveridge TJ (1993) Mechanism of silicate binding to the bacterial cell wall in *Bacillus subtilis*. J. Bacteriol. 175, 7:1936-1945

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