Bio-tech

Composition of an oral disinfectant liquid, method of its production and its use

About the solution

The subject of the invention is a method for obtaining and a composition of liquids for inactivating microorganisms, including cariogenic strains, potentially colonising the human oral cavity, which were obtained using cold atmospheric plasma (CAP), generated as a result of initiating a specific type of glow discharge under atmospheric pressure in contact with a flowing liquid, which is a solution intended for mouth rinsing, prepared by mixing a solution of sodium fluoride and sodium hydroxide with a solution of sodium perchlorate. CAP) generated by initiating a specific type of glow discharge at atmospheric pressure in contact with a flowing liquid, which is a solution intended for mouth rinsing, prepared according to the invention.

The invention also relates to a composition of an oral disinfectant for the eradication of bacteria, including cariogenic strains, preferably bacteria of the species *E. coli*, *P. aeruginosa* or *S.mutans*.

Applications

- Cosmetology,
- Dentistry,
- Orthodontics,
- Maxillofacial Surgery

Research Team

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IP Protection

The invention is protected by patent application at the Polish Patent Office: **P.452340**

Implementation progress

TRL 4 –Technology validated in laboratory conditions

Cooperation opportunities

- Partnership in research and industrial implementation,
- Technology licensing,
- Technology sale.

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