Gamma
SCIENTIFIC RESEARCH FIRM

სამეცნიერო-კვლევითი ფირმა "გამა"

39/03 29.10.2020

To Mr. Papuna Papiashvili, Director of "Elixir Global" Ltd.

Mr. Papuna,

under the agreement of October 22, 2020, a research project was conducted in the examination laboratory of the scientific-research firm "Gamma" to study the antimicrobial activity of the disinfectant solution "Elixir" on the microbial strains of E.coli and Salmonella.

Microbial strains were taken in the experiment: E.coli ATCC 25922, Salmonella typhimurium ATCC 14028.

The number of concentration-cells of each strain taken in the experiment in 1 ml of sterile saline was 10^5. The exposure time was 0.5 min.

Cultivation was carried out on appropriate nutrient soils:

1. E.coli - Cromogenic Caliform Agar ISO formulation;

2. Salmonella - EC Agar.

Incubation was carried out at 37 ° C for 24 hours.

In the study of microbial sterility, disinfectant solution and microbial suspension are taken in equal volumes. Exposure time - 0.5 min.

The obtained results are presented in Table N1 and pictures. The numbers on the photo of the fins indicate:

1-control; 2-Disinfectant solution "Elixir" effect.

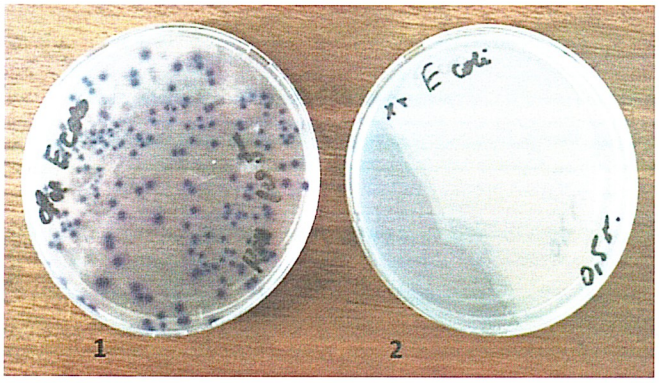
Table 1.

Name the strains of microorganisms	Control	After 0.5 min of exposure to the disinfectant solution
E.coli ATCC 25922	10^5	0
Salmonella typhimurium ATCC 14028	10^5	0

Conclusion: Disinfectant solution "Elixir" causes E.coli ATCC 25922 and Salmonella typhimurium 14028 strains to die within 0.5 min.

19 Guramishvili av. 0192, Tbilisi, Georgia

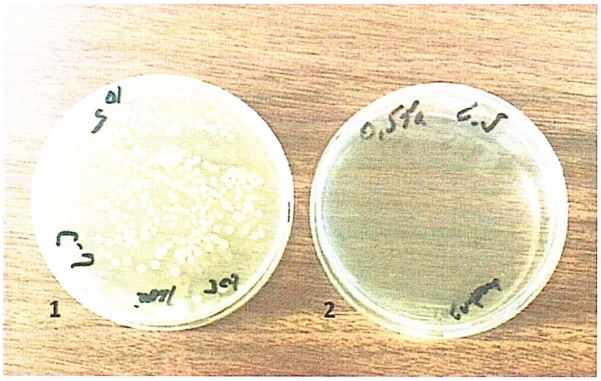
Picture 1. Disinfectant solution "Elixir"



Picture 2. Action of disinfectant solution "Elixir" on the strain of E.coli ATCC 25922

1.Control

2. Impact of disinfectant solution on E. coli strain.



Picture 3. Action of disinfectant solution "Elixir" on the strain of Salmonella typhimurium ATCC 14028

1.Control

2. Impact of disinfectant solution on Salmonella strain.

T. Adamia

the Vice-President of the Scientific-Research Center "Gamma"