

*AGRICONS*  
*Biological chemical laboratory*

*A STUDY OF THE ANTI-BACTERIAL EFFECT  
OF THE APPLIANCE LIKE  
"TR7"*

*Used according to the instruction provided by the manufacturer.*

### *INTRODUCTION:*

*With the word hygiene we intend all the rules taken in order to preserve or improve the human health status.*

*Nowadays everybody knows the hygiene importance, in fact during several and wide treatments it has been remarked the attention on the necessity of a proper environmental hygiene. Especially on the production plants and tools that are in direct contact with food products during the working process.*

### *METHOD*

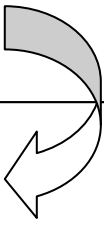
*The purpose of this study is to verify the anti-bacterial efficacy on the surfaces (Teflon and steel) that are in contact with the foods after being treated with the appliance "TR7".*

*The appliance TR7 has been used according to the instruction provided by the manufacturer.*


*The tested surface has been submitted to the bacteriological analysis before and after the exposure of 5 seconds of steam flow at the temperature of 105°C produced by the above appliance without vacuum function.*

*The resulted value are as per the enclosed chart.*


**CHART 1**

	Total bacterial on 100cm2
Contaminated Teflon surface	3.840 
After 5 seconds treatment with steam flow produced by TR7	3


**CHART 2**

	Total nitro-bacteria on 100cm2
Contaminated Teflon surface	840 
After 5 seconds treatment with steam flow produced by TR7	0

**CHART 3**

	Total bacterial on 100cm2
Contaminated steel surface	2.640 
After 5 seconds treatment with steam flow produced by TR7	0

**CHART 4**

	Total nitro-bacteria on 100cm2
Contaminated steel surface	107 
After 5 seconds treatment with steam flow produced by TR7	0

## **RESULTS**

*The results has per the chart 1 and 2 for the Teflon surface and 3 and 4 for the steel surface remark the strong contamination status at the starting point of the test. It is considerable the reduction of the bacterial after the treatment with TR7.*

## **CONCLUSION**

***The study effected has revealed that the microbial reduction obtained on the examined surfaces through the usage of "TR7" is equivalent to a good level of disinfections.***

*The present report has been filled making reference to the technical test and Microbiological research done by the UN.A.LAB Laboratories of Analysis (Unione Adriatica Laboratori di Vicenza) on the sampling effected on 04/06/02.*