

Quantys Drink Test Results

October 2018

Souche E. Coli			Quantys Drink			souche Lactobacillus plantarum		
Descriptif eau utilisée	Moyenne cfu / ml	% écart/réf	Descriptif eau utilisée	Moyenne cfu / ml	% écart/réf	Descriptif eau utilisée	Moyenne cfu / ml	% écart/réf
Eau de référence (eau de ville Marignier, filtrée, déminéralisée et stérilisée)	61000 (+/- 4,2%)		Eau de référence (eau de ville Marignier, filtrée, déminéralisée et stérilisée)	6560 (+/- 4,9%)		Eau de référence (eau de ville Marignier, filtrée, déminéralisée et stérilisée)	6560 (+/- 4,9%)	
Eau témoin ● (eau de ville Marignier, stérilisée)	58000 (+/- 3,9%)	- 5%	Eau témoin ● (eau de ville Marignier, stérilisée)	6110 (+/- 5,1%)	- 7%	Eau témoin ● (eau de ville Marignier, stérilisée)	6110 (+/- 5,1%)	- 7%
Eau Quantys drink	26000 (+/- 4,6%)	- 57%	Eau Quantys drink	5670 (+/- 5,2%)	- 14%	Eau Quantys drink	5670 (+/- 5,2%)	- 14%

Legend/ Translation:

- Souche E. Coli & Lactobacillus plantarum= E. Coli Strain & L. Plantarum Strain
- Descriptif eau utilisée= Description of Water Used
- Moyenne cfu/ ml= Average Colonies Forming Units/ milliliter (cfu/ ml). Basically this is the average of the concentration of bacteria in the water.
- % écart/ réf= % of Change in bacterial growth as compared to the reference water.
- Eau de référence (eau de ville Marignier, filtrée, déminéralisée, et stérilisée)= Reference Water (Filtered, Demineralized, and Sterilized Marignier city water). Then it is seeded with a bacterial culture.
- Eau témoin (eau de ville Marignier, stérilisée)= Control Water (Sterilized Marignier city water)
- Eau Quantys Drink= Quantys Drink Water, which is Reference Water that sat upon the Quantys.

The following is a Google translate of the actual test done by the MicrotoxO Lab in France:

MicrotoxO test data on the influence of the device "Quantys drink" on a pathogenic bacterial strain of **E. Coli** indicate a **net inhibitory effect of growth of -57%** compared to the control water.

Data on **Lactobacillus plantarum** indicate an **inhibitory effect significant growth of - 14%** compared to the control water.

Assessment and Interpretation

The data analysis shows that the "Quantys drink" device possesses a net inhibiting power on the growth of a strain of microbiotic bacteria "pathogenic"; Escherichia Coli and a significant inhibitory effect on Lactobacillus plantarum (bacterium biogenic i.e. useful) compared to a control water (sterilized city water).

In view of these findings, it appears that a drinking water modified by **the "Quantys drink" device** can be consumed regularly because it participates in the balance of the gut microbiota by affecting moderately useful flora, called biogenic.

Summary of Finding

MicrotoxO Lab in Marignier, France took a sample of tap water and sterilized, filtered, and demineralized it, then introduced a diluted solution containing a pathogenic bacteria, E. Coli, and a biogenic (beneficial) gut bacteria, Lactobacillus Plantarum. This sample became the "Reference Water". The Reference Water was then split into two containers. One container of Reference water was sterilized using standard measures taken by the city. This sample became known as the "Control Water". The other container of Reference water was set upon the Quantys Drink coaster and was labeled the "Quantys Drink Water". After 48 hours the Control Water and Quantys Drink Water were re-tested to determine their bacteria load. The Control Water had reduced its E. Coli load by 5% and L. Plantarum load by 7%. The Quantys Drink Water had a 57% reduction of the pathogenic/ bad bacteria, E. Coli, and a 14% inhibitory effect of the biogenic/ good bacteria, L. Plantarum. This test was run in triplicate and the graph illustrates the average.

In conclusion, the scientists conducting the testing determined that drinking water that has been sat upon the Quantys Drink coaster has a statistically significant beneficial effect on balancing the gut flora and hence on regulating the body's immune and digestive systems.