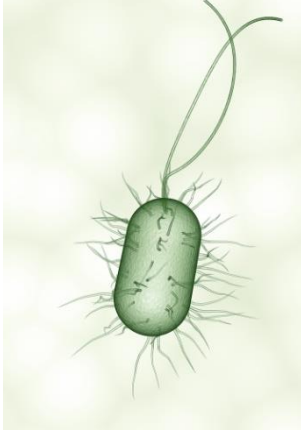


## Quantification of lactic acid bacteria



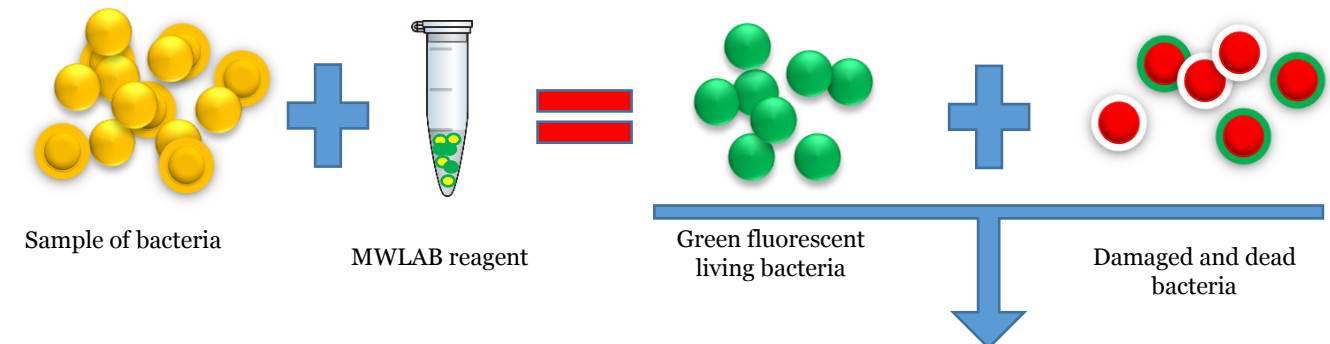
The directive ISO19344 / IDF 232 was prepared by the IDF Standing Committee on Analytical Methods for Dairy Microorganisms and the ISO Technical Committee ISO/TC 34 on Food products, Subcommittee SC 5 on Milk and milk products.

Quantification of lactic acid bacteria is a tool for assessing the quality of starter cultures, probiotics and fermented milk products, especially to optimize production processes and evaluate stability during shelf-life.

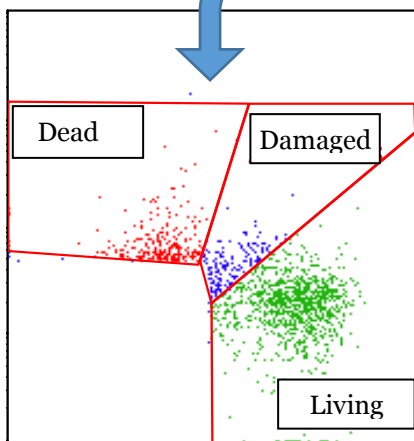
The **MILKY WAY LAB** kit have been developed to fulfill all the requirement of the A protocol of that directive.

### Principle of detection

Initial suspensions, and/or dilutions are stained with a non-permeant red-fluorescent dye targeting nucleic acid and with a substrate for intracellular esterase producing a green fluorescence in living cells. Then living cells are stained only in green and damaged or dead cell in red. They can be counted with a flow cytometer or a fluorescence microscope.



### Flow Cytometer or microscope



Test realized in **less than 1 hour**



**Suitable** for all flow cytometers



Accurate **concentration** measurement