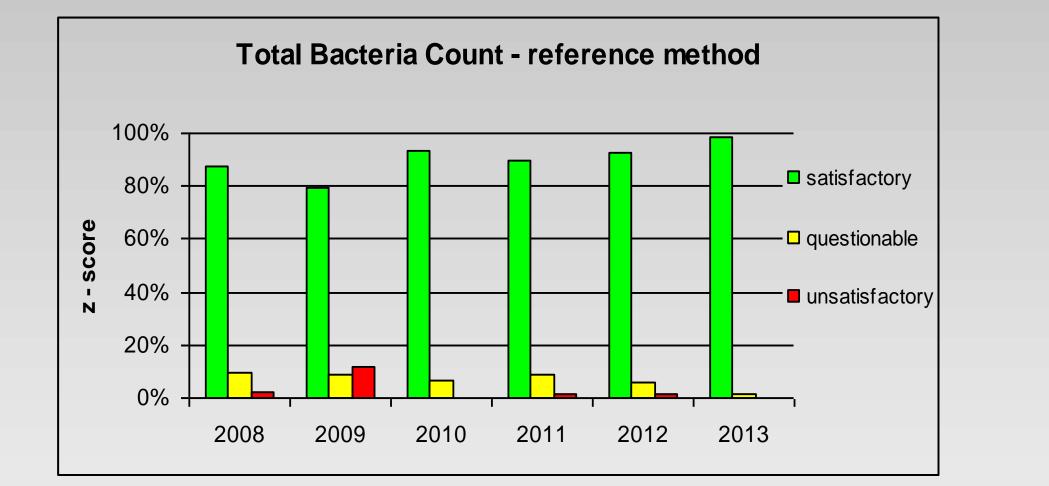
## **Proficiency testing in hygiene of raw milk:** enumeration of total bacteria count and somatic cells count

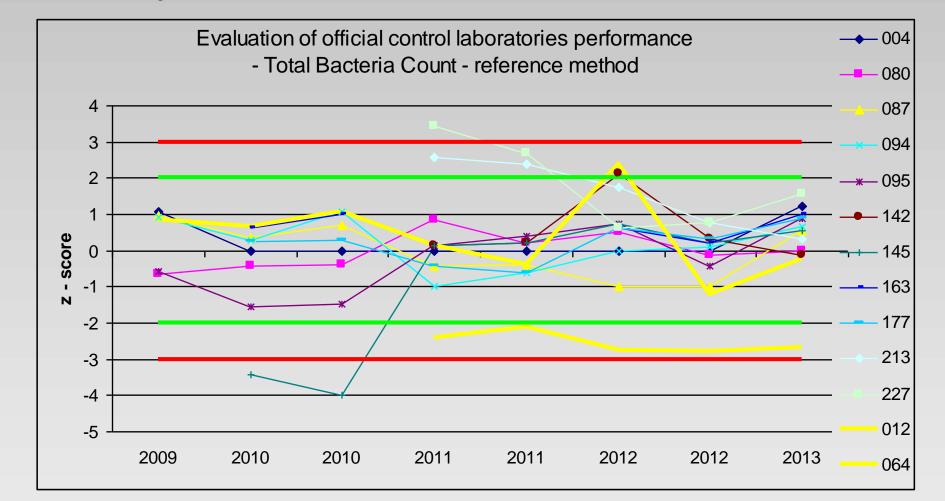
Jolanta G. Rola, Maciej Sosnowski, Piotr Kostrzewa, Jacek Osek National Veterinary Research Institute, Pulawy, Poland **Department of Hygiene of Food of Animal Origin** e-mail: jolarola@piwet.pulawy.pl

In Section IX of EC Regulation 853/2004, hygienic criteria have been fixed for raw milk (Chapter I, III). They include microbiological criteria on plate counts at 30  $\Box$ C and number of somatic cells. The EC Regulation 2074/2005 includes the description of reference testing methods as well as condition for the use of alternative methods. This poster presents organisation of proficiency testing program of the official control laboratories performing microbiological and cytological examinations of raw milk. The presented result concern the proficiency testing trials organized in years 2008 – 2012.

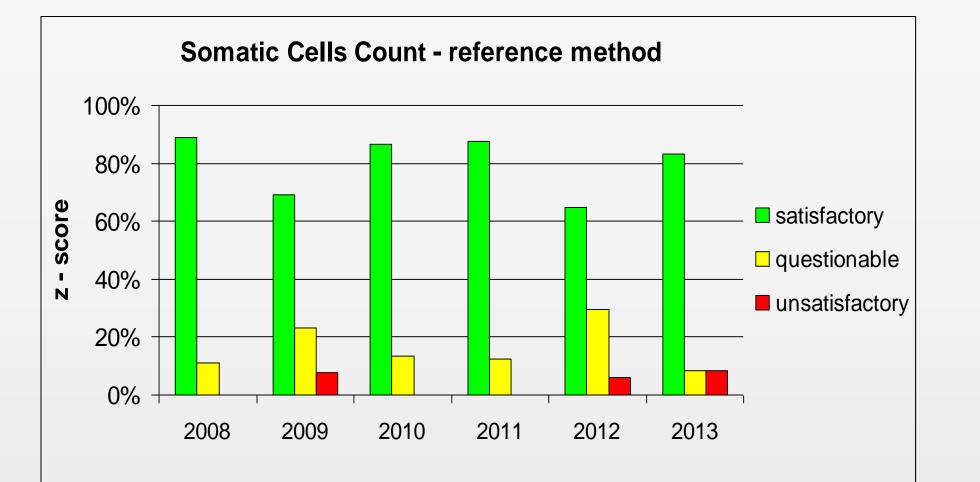


## PT organization

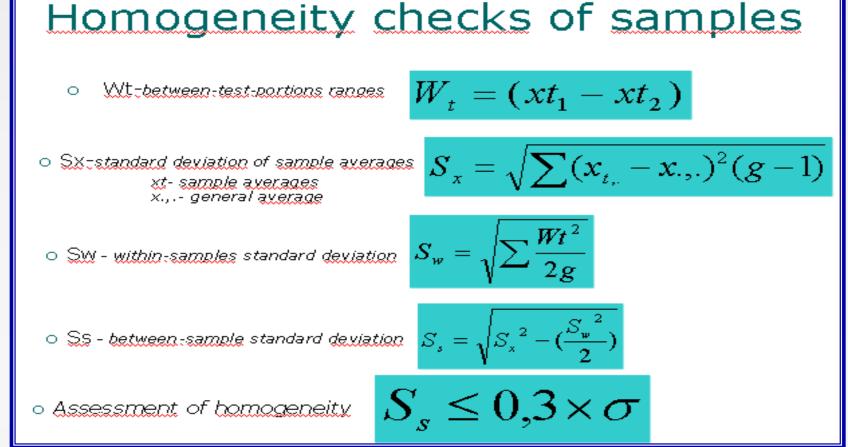
o ISO/IEC 17043:2010 Conformity assessment -General requirements for proficiency testing o ISO/TS 22117:2010 Microbiology of food and animal feeding stuffs - Specific requirements and guidance for proficiency testing by interlaboratory comparison



**Total Bacteria Count - alternative methods** 100% 80% satisfactory score 60% □ questionable 40% unsatisfactory N 20% 2012 2013 2008 2009 2010 2011

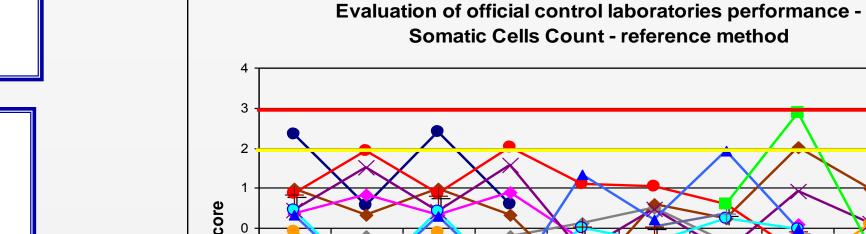


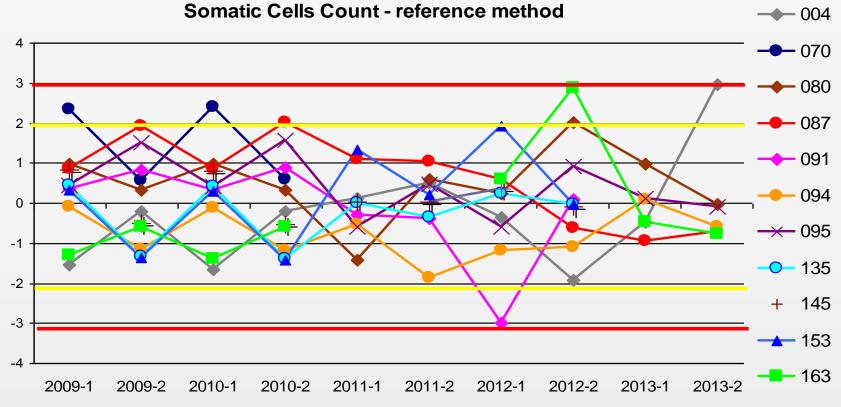
 ISO 13528:2005 Statistical methods for use in proficiency testing by interlaboratory comparisons

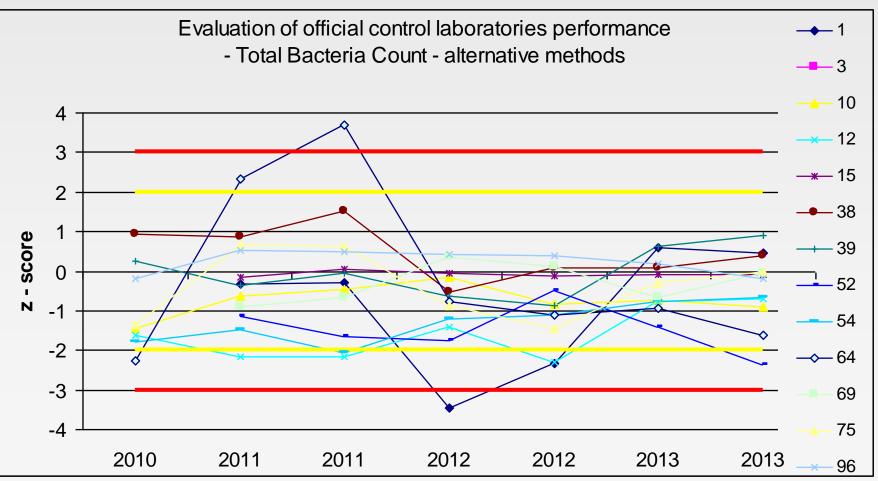


## Stability checks of samples

o x.,.- general average of results (homogeneity) o y.,.- general average of results (stability)  $\circ \sigma$  – standard deviation for proficiency testing







Assessment of stability

