

The new CombiFoss™ 7 DC – An Update on Differential Somatic Cell Count and other Advancements in Milk Testing

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The new CombiFoss™ 7 DC is the latest generation milk analyser from FOSS and seamlessly integrates MilkoScan™ 7 RM and Fossomatic™ 7 DC. The instrument allows to test raw milk for up to 19 parameters, including the new Differential Somatic Cell Count (DSCC) parameter, simultaneously in just 6 seconds. DSCC represents the proportion of specific immune cells (neutrophils (PMN) and lymphocytes vs. macrophages) and thus provides more information about the actual udder health status of dairy cows. This, in turn, opens up the possibility to develop new tools for improved management of mastitis, the most costly disease in dairy farming. Numerous activities validating the practical application of DSCC as a new supporting tool for mastitis management are ongoing. The main objective of this work is to provide an update on the status and first outcomes of these activities.