



Simplifying Sample Preparation Boosts Productivity of Food & Feed Testing

May 21, 2015

LKS mbH (www.lks-mbh.com) is a respected organization in the German agricultural quality testing market. The company has, over recent years, seen a marked increase in samples for microbiological and metabolic analyses driving the need to improve productivity / increase sample handling capacity in their ISO / IEC 17025 certified feed analysis laboratory. During harvest periods the laboratory also required a way of analyzing in a timely manner the additional large numbers of samples.

Using an Inlabtec Serial Dilution System has allowed LKS mbH to create and release the needed analysis capacity by simplifying and speeding up established routine processes without increasing staff numbers or significant investment into complex automation with high maintenance and service costs.

Prior to implementing the Serial Diluter – LKS microbiological analyses were carried out on the basis of comparative measurements using the traditional test tube method. The lab was typically faced with analyzing a wide variety of food samples as well as feed samples such as silage, pellets and compound feed for bacteriological and mycological activity.

At the beginning of the introduction of the Inlabtec Serial Diluter, laboratory staff was reluctant to change their routine processes. The Serial Diluter however has very quickly become an indispensable tool to cope with the rising numbers of samples and the sample peaks during the harvest periods. Staff have particularly appreciated that the preparation and storage of serial dilution materials has been extremely simplified and the space requirement required to undertake the microbiological analyses greatly reduced. The entire dilution process is now much less labour intensive (no more laborious cleaning of test tubes) and time-consuming. All that is required now is a simple press of a button on the Inlabtec Serial Diluter to obtain perfect dilutions and improved accuracy and precision.