

For the Press



About FrimTec GmbH

FrimTec GmbH developed automated dosing and mixing devices based on the principle of drawing in different liquids, mixing them up and finally dispersing them again. This is performed by applying a new dosing method developed by the founder of the company, Friedrich Frank. He was granted the patent for this innovation in August 2004 and has been one of the awardees of EuroTier Silver Medal for innovation in September 2006 (see Medal above).

The application of the component devices of his invention will make sense in all areas, where an automated dosing of more than one liquid, such as for the ELISA tests, is needed. Many tests performed in the environmental industry, the medical and the laboratory branch fall into this category.

In the **eProCheck** unit for testing the level of progesterone, the new invention gives proof, for the first time, of the practical operability and the correctness of its results. Worldwide for the first time the **eProCheck** device enables farmers to determine themselves levels of progesterone without performing costly and time consuming tests in a laboratory. Knowing the level of progesterone in the milk, anyone can reason by analogy the clear inference to the specific moment in the productive cycle of a cow.

All the accelerated tests presently available on the market have to be executed manually. The expenditure of time and money for the person most affected by the result, represents a multiple amount of the time and costs used up when using the **eProCheck** device. Employing this new device, it possible to follow up the measured data, as they can automatically be transferred into a data base.


Whereas the evaluation of the manual tests are subject to the experience of the testing person, which is not equally objective.

Undoubtedly the use of the new device will be of great importance for farmers with dairy cattle. The biggest problem of today lies in the endeavour to keep up or even augment the fertility of the herds. The fertility ratio is the all-decisive factor for making profit by producing milk. In 2003 the overall loss of cattle in Germany amounted to 36,1 % (= 1.297.393) of the bovine population. Out of this high number 21,8 % (= 280.000 cows) were butchered for the suspected reason of being infertile. This unjustified high amount of lost cows boosts up the necessary costs for maintaining the population of a cattle herd. The expenses for upbringing a young cow are assessed to be 1.200,- €. This shows clearly that a more reliable cognition of the fertility of cows is of prime economic relevance.

The **eProCheck** is also suited to be employed in the dog and/or horse breeding branch, as with the new unit the progesterone level may equally well be measured by taking samples of blood. Another good point is that veterinaries equipped with this new device, can offer a new and often requested service to their clients, as those tests can from now on be performed in the surgery itself.

In discussions at various universities (Hannover, Osnabrueck, Berlin) it became obvious that the present market of instruments for reliable test results regarding the progesterone level, is not satisfactory. The disposition of those colleges to make use of the **eProCheck** unit as an integral part of practical education, is quite high.

Throughout the world the **eProCheck** unit is the first mobile implement to perform progesterone tests automatically. It is assumed that in the first year of marketing the new patent reaches a market-share of 0,05 to 0,50 % (depending on size of breeding enterprise and/or size of herds). An annual growth rate of 20 % is regarded to be realistic. The chemical agents necessary for the performance of tests are obtained by an independent supplier.

Right now  is on its way to organize a marketing network. On the long run the Firm will cooperate with independent distribution partners. Meetings and discussions to this end are on the way with various companies and also a farm cooperative.

To back up the success of  a reasonable enlargement of selling products is planned, mainly in the field of environmental and lab technologies, branches expected to rise in importance in the years ahead.



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