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Universidade Federal de Santa Maria Santa Maria 联邦大学
Centro de Ciências Rurais ciências rurais农村科学中心
Departamento de Clínica de Grandes Animais
Clínica grandes 大型动物诊所部



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Dear Sir Mark Anderson 亲爱的马克安德森先生
Absolute Insemination Company, LLC
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Re: Experiment conducted with the Absolute™ Catheters
重新: 用 Ab™授精管进行的实验

As professors of swine medicine of the Vet School at the Federal University at Santa Maria we have conducted between April and November 2006 a series of experiments in order to test the efficiency of the insemination rod developed by ABSOLUTE SWINE INSEMINATION COMPANY (ASIC).

作为猪医药教授的兽医学校;在巴西的圣玛丽亚联邦大学我们在2006年4月至11月已进行一系列的实验,以测试由ASIC公司开发的人工授精杆的效率。

The results indicate a series of advantages of the new rod as compared to the traditional insemination pipettes. There are also advantages over the insemination pipettes which use an internal probe (like IMV's Deep Golden Pig catheters) to reach the uterus. We prefer your Ab catheters' approach of using the soft and safe membranes to reach the uterus.

结果表明与传统的猪管相比有一系列的优势。与它的深部授精管,其中使用内部探针来达到子宫内(如法国IMV公司的深金猪导管)也有优势。我们宁愿选择Ab导管的做法,使用安全的软膜以达到子宫。

When compared to the traditional technique their was an increase in pregnancy rate from 87,4 to 93%. (This was achieved with only 2,5 doses with the Absolute groups as compared to the 3,5+ doses used in the traditional pipette group) The number of animals born also showed an increment when compared to the annual average of the unit where the experiment was conducted.

相比传统的技术,怀孕率增加从87,4到93%。(Ab的群体只用2,5剂量;相比传统的,用3,5+剂量)产仔数也有增加。

Moreover, the major advantages are not confined to gain in production. The use of the new pipette allows more agility and reduced costs of the process. We found that the process can not only depend on a smaller number of people, but also be performed in shorter time, which can be translated into direct economic gain.

此外,主要优点是不局限于增益在生产。使用新的授精管让更多的灵活性和降低成本。我们发现的过程中不但能用较少的员工数目,但也在更短的时间内完成工作,这可以转化为直接的经济利益。

There are also advantages in sanitation aspects. With the deposition of semen directly into the uterus, besides the better viability, the contact of it with secretions of the cervix is virtually eliminated. In conclusion, the proposed technique represents an improvement in sanitation and cost efficiency of the sanitation process, leading to increased productivity.

在环境卫生方面也有优势。精液直接进入子宫内,除了更好的可行性,与子宫颈分泌物的接触几乎是淘汰。总括而言,这技术改善了环境卫生和在卫生过程中的成本效益,导致提高生产力。

We congratulate you on the invention of this special catheter and recommend its use in pig production units.

我们祝贺你的发明这一个特殊导管，并建议其使用在养猪生产的单位。



Prof. Adj. Dr. Marcelo Soares 苏亚雷斯马赛博士, 教授

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