

PIG WORLD AI



Everything you need to know about semen quality—in 45 seconds

Rotech demonstrates its new analysis system for AI stations

Rotech's Semen Quality Analysing machine reveals all an you could need to know about semen quality in just 45 seconds — morphology, concentration, motility and more.

In addition to printing out a hard copy of the results, it can be connected to a PC. Each sample can be photographed or videoed by the on-board digital microscope and all data and images can then be stored in a database.

The clever bit is that provided your AI station opts to make the information available, you can see on your own desktop PC the standard of the sample you are about to receive, before it leaves the AI station.

All the tests are done at

what is considered to be an ideal 38 degrees which expresses the energy potential of every cell. A warming storage tray is part of the set up and the device itself is heated to 38 degrees to ensure all testing is done at a constant temperature, as a variation of one or two degrees can change the motility of the sperms.

All measurements are made automatically using formulas that have been validated following many years of experience in human medicine. This results in all measurements being standardised and removes human influence from motility and morphology scores.

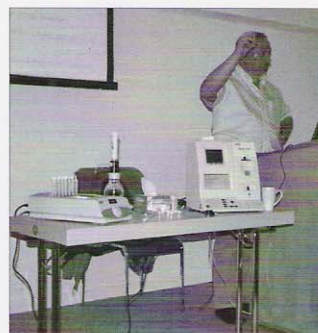
Semen Quality Analysing uses electronic analysis, not im-

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Everything you need to know, in 45 seconds

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age analysis as other systems do. It tests fresh or extended samples and gives a precise concentration, and parameters for batch and quality control prior to insemination.



Most of the AI commercial centres and some on-farm AI operations were represented at a presentation by Leo Vankrieken of Medical Electronic System in Israel, where the machine was invented.

There are 3,000 machines in use worldwide. The technology was developed for use with humans and gradually it has been adapted to cover horses, turkeys, cattle, and now pigs.

The pig machine won the Golden Hoof Award at Belgium's Abribex event, where it was judged by an independent panel of vets and agricultural engineers. It is extremely easy to use and requires no more than one minute a day maintenance.