



## **PRESS RELEASE**

**31 May 2006**

### **deltaDOT announces the launch of Merlin**

On-site forensic analysis is currently hampered by instrument size and consumable needs. However, the use of Merlin will, for the first time, allow the development of portable field based forensic systems, indicating that our LFIITM technology will play an important role in field based forensic analysis in the next decade." Explained Dr Stuart Hassard, Co-founder and Head Biologist of deltaDOT.

Dr Anthony Baxter, CEO of deltaDOT, commented: "Merlin has been developed to deliver accurate results rapidly at a tiny fraction of the running costs of standard sequencers. The use of LFIITM for DNA sequencing provides a crucial advantage as it avoids the need for highly expensive labelling reagents, thereby saving users up to thousands of dollars a day."

Merlin is the second product to be developed by deltaDOT using the company's LFIITM technology. Peregrine, which is a bench-top system, was developed by deltaDOT for the label-free analysis of DNA, proteins, bacteria, virus and small molecules.

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### **Notes to editors:**

About deltaDOT Ltd  
<http://www.deltadot.com>

deltaDOT is a biotechnology company that is developing and commercialising highly innovative enabling technologies and products in the bioscience arena.

The company was founded in 2000 and is a spin out from the Imperial College of Science, Technology and Medicine in London, UK. It is focused on the harnessing of cutting-edge particle physics technology and its application to the needs of biomolecular separation, including proteins, DNA and RNA analysis. The company has a strong proprietary position and extensive expertise in instrumentation, microfluidics, automation, computing and analysis which will contribute to improvements in knowledge, profitability and process time throughout drug discovery and general life sciences research.

### **About Label Free Intrinsic Imaging (LFII)**

deltaDOT's core technology, Label Free Intrinsic Imaging (LFII), coupled with proprietary powerful analyses, forms the basis of its product offering. LFII allows the direct monitoring of unlabelled biomolecules in real time, resulting in much faster, more accurate results at a fraction of the cost of conventional approaches. deltaDOT's first product was a High Performance Capillary Electrophoresis instrument; other products being developed are a high throughput protein folding device and systems capable of rapid, unbiased analysis of genomic, proteomic and chemical content of unknown substances and threats.

### **About Merlin**

The Merlin Capillary-based DNA Sequencer is a powerful new tool for sequencing short lengths of DNA (c. 200-300 base pairs). By applying LFIITM to the separation stage of nucleic acid sequencing, deltaDOT sequencers deliver results rapidly at a tiny fraction of the running costs of standard sequencers, eliminating entirely the use of highly expensive labelling reagents and thereby saving users up to thousands of dollars a day. Merlin is capable of SNP sequencing, genotyping, DNA fragment and RNA analysis in same system.



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