

**SigNature DNA Market Ready for Thermal Transfer
Applied DNA Sciences Completes Pilot Study for IIMAK**

STONY BROOK, N.Y., May 7, 2009 /Market Wire/ -- Applied DNA Sciences, Inc. (OTC Bulletin Board: APDN), a provider of DNA-based security solutions, announced today that it has successfully completed its pilot study of SigNature® DNA in IIMAK thermal transfer ink and ribbons. APDN and IIMAK will officially launch this at IMI's 20th Annual Thermal Printing Conference in Orlando, Florida on May 11, 2009.

“By utilizing existing TTR printers, SigNature DNA in Thermal Transfer is an extremely attractive choice for thwarting counterfeiting and product diversion, with minimal investment by the end user,” commented Daniel J. Harrison, IIMAK Senior Vice President of Research and Development. “It elevates the security of any TTR to a forensic level that can be authenticated at any point along the supply chain.”

APDN was able to successfully detect, extract and analyze SigNature DNA markers embedded in thermal transfer fluid inks and ribbons, demonstrating:

- **Stability** - survives physicochemical extremes and will not alter the quality of thermal transfer ink or printing;
- **Persistence** – DNA can be authenticated in the ink, ribbon and printed material;
- **Consistency** – DNA is detectable homogeneously throughout each batch of ink and in all printed samples;
- **High resolution** – only miniscule levels of DNA are required for authentication.

SigNature DNA in Thermal Transfer offers the benefit of:

- **Truly invisible image** that cannot be copied;
- **Quality printing** with no retooling or change in process;
- **Quick detection** combined with forensic authentication;
- **Accessible and Affordable.**

Thermal transfer printing is a universally accepted and cost effective method of printing variable data such as event tickets, kosher and halal food labels, shipping and inventory labels, baggage claim tags and a host of consumer products. In addition, APDN has marked a diverse range of security inks, including intaglio, laser and inkjet, as well as label adhesives and clear varnishes with SigNature DNA as part of a complete layered brand protection strategy.

About IIMAK

Founded in 1983, IIMAK is a global leader in the development, manufacturing, and distribution of printing, imaging and marking consumable supplies and related services. IIMAK is committed to partnering with customers to provide the best quality, service and value to fit market needs. For more information, visit www.iimak.com.

About APDN

APDN sells patented DNA security solutions to protect products, brands and intellectual property from counterfeiting and diversion. SigNature DNA is a botanical mark used to authenticate products in a unique manner that essentially cannot be copied. APDN also provides BioMaterial GenoTyping™ by detecting genomic DNA in natural materials to authenticate finished products. Both technologies protect brands and products in a wide range of industries and provide a forensic chain of evidence that can be used to prosecute perpetrators. To learn more, go to (www.adnas.com).

The statements made by APDN may be forward-looking in nature and are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements describe APDN's future plans, projections, strategies and expectations, and are based on assumptions and involve a number of risks and uncertainties, many of which are beyond the control of APDN. Actual results could differ materially from those projected due to our short operating history, limited financial resources, limited market acceptance, market competition and various other factors detailed from time to time in APDN's SEC reports and filings, including our Annual Report on Form 10-K, filed on December 16, 2008 and our subsequent quarterly reports on Form 10-Q. APDN undertakes no obligation to update publicly any forward-looking statements to reflect new information, events or circumstances after the date hereof to reflect the occurrence of unanticipated events.

SOURCE Applied DNA Sciences, Inc.

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