

Lexington's MEP Equine Solutions Announces Issuance of US Patent for Method for the Quantification of Parasite Eggs in Feces.

April 9, 2018 (Lexington, KY) – A partnership between MEP Equine Solutions, the University of Kentucky and Commerce Lexington has been issued US Patent No. 9,933,425, entitled “Method for the quantification of parasite egg in feces”. The patent covers the proprietary technology (“Poop2Proof.com”) that enables the quantitative analysis of parasite eggs in animal feces using a mobile device.

“The collaboration between the University of Kentucky, Commerce Lexington and our team at MEP enabled us to rapidly develop this technology, Poop2Proof.com. Because of these relationships and local community support, we’ve been able to successfully develop and commercialize our technology,” shared co-founder Eric Hauck, President and CEO, MEP Equine Solutions. “Developing innovative animal health solutions that leverage mobile technology continues to be our focus. Based on our experience with Poop2Proof.com, Lexington’s start-up-friendly business community is an ideal environment for us to continue to develop ideas, perform research and commercialize products.” shared Hauck.

Poop2Proof.com introduces the only mobile technology-based parasite diagnostic in the animal health industry. It transforms a cumbersome 15-minute lab-based test into an under 5-minute automated diagnostic that uses a mobile device. Initially targeted at the equine market, Poop2Proof.com technology will expand to other species soon. Using the Poop2Proof.com system, the veterinarian collects fecal samples on-site and uses an automated device to apply a series of proprietary reagents to the samples that cause the microscopic parasite eggs present in the sample to glow. The veterinarian then takes a photo of the glowing eggs and lets the smartphone do the counting. [Instant image-based results](#) are delivered via e-mail to the animal owner and veterinarian.

“While the backend of the Poop2Proof.com system is sophisticated, the device and mobile app itself use interfaces that consumers know and understand and that are already part of their everyday routine. As a result, the diagnostic is simple and easy-to-use,” shared Paul Slusarewicz, PhD, MEP co-founder, Chief Scientific Officer and adjunct professor at the University of Kentucky. Prof. Martin Nielsen, co-founder and an equine parasitologist at the Gluck Equine Research Center, University of Kentucky, added, “the horse industry is facing a growing crisis of parasite drug resistance due, in part, to insufficient diagnostic testing and over-reliance on frequent antiparasitic treatments. Our vision is to empower the veterinarians with this simple and easy-to-use system to help horse owners develop sustainable parasite control programs where the right parasite is targeted with the right dewormer at the right time.”

About MEP Equine Solutions, LLC

Poop2Proof.com is a product of MEP Equine Solutions, LLC, a Lexington, KY based animal health

technology company focused on veterinarian and consumer-based solutions. MEP Equine Solutions leadership and scientific team is recognized worldwide for its innovative problem solving and its ability to deliver technology-based solutions, <http://www.poop2proof.com/>

About University of Kentucky, Maxwell H. Gluck Equine Research Center

The mission of the Gluck Center, a UK Ag Equine program in the College of Agriculture, Food and Environment, is scientific discovery, education and dissemination of knowledge for the benefit of the health and well-being of horses. The Gluck Center faculty conducts equine research in six targeted areas: genetics and genomics, infectious diseases and immunology, musculoskeletal science, parasitology, pharmacology / toxicology and reproductive health. For more information on the Gluck Center, visit <http://www.ca.uky.edu/gluck>.

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