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For Immediate Release

Fast, Affordable Malaria Test Shows Superior Performance to Current Rapid Tests in Detecting *P. vivax* Cases in Clinical Study Published in *PLOS ONE*

Gazelle from Hemex Health Demonstrates Higher Sensitivity than the Only FDA-Approved Malaria Test

(Portland – June 23) Results from a clinical study conducted by researchers from the U.S. Naval Medical Research Unit 6 (NAMRU-6) in Lima, Peru showed that the Gazelle Malaria test outperformed two Rapid Diagnostic Tests (RDTs), BinaxNow and SD BioLine in detecting malaria in an area where *Plasmodium Vivax* (*P. vivax*) is the dominant species. The study, published today in [PLOS ONE](#), also showed that Gazelle was comparable in accuracy and sensitivity to expert microscopy, with a sample-to-result turnaround time of five minutes compared to microscopy's two hours.

This study was based on the results of 185 participants at a low parasitemia infection site with predominantly *P. vivax* malaria in the Peruvian Amazon Basin. The sensitivity and specificity of Gazelle was 88.2% and 97.9%, respectively. Gazelle's sensitivity and specificity were statistically similar to microscopy (sensitivity = 91.8, specificity = 100%) and higher than both SD Bioline (sensitivity = 82.4, specificity = 100%) and BinaxNOW (sensitivity = 71.8%, specificity = 97.9%). Also of note is that BinaxNow is the only FDA-approved RDT, and therefore, the only RDT approved for use by the United States military.

About Gazelle

Gazelle is a compact, rugged, battery-operated diagnostic device. Gazelle can be used inexpensively, with no cold chain requirements by entry level healthcare workers in areas with limited access, resources, or electricity. Patient information and results are captured digitally for storage, printing, or later transmission. Gazelle is approved for detecting malaria and sickle cell disease in a growing list of countries, and integrates miniaturized versions of trusted technologies, innovative optics, and artificial intelligence. This versatile approach allows the company to continually add diseases to its menu of tests and expand to new users. Gazelle is an accurate and rapid digital platform that can work just about anywhere in the world. With its affordable, compact, and rugged design, and all-day battery power, it delivers powerful, rapid diagnostics to more places without the need for a cold

chain-- from remote, low-resource settings, to drive through testing, border crossings, or nursing homes.

About Hemex Health

Hemex Health breaks traditional barriers with its innovative diagnostic system that expands the potential of diagnostics for emerging diseases, making accurate tests accessible to new locations and new populations. Hemex Health designs diagnostic technologies for the real world by listening to the needs of healthcare providers including those in some of the most remote and challenging settings. The Gazelle technology was developed in collaboration with Case Western Reserve University. Hemex Health is located in Portland, Oregon, USA. HemexDx, a subsidiary of Hemex Health, is located in Mumbai, India. More information can be found by going to www.hemexhealth.com.