

One minute blood typing

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A collaboration between Monash University and Haemokinesis Pty Ltd has resulted in a momentous breakthrough in world health. The creation of a novel category of low cost paper diagnostics that can identify a person's blood group in just one minute the innovation is named Group Legible Immuno-hematology Format (GLIF).

GLIF enables quick and easy [blood](#) typing, without the need for laboratory equipment, expertise or interpretation of results. Within one minute a written result is returned to the user. This concept can be used anywhere, by anyone, the applications are endless; third world countries, multi-trauma events, countries with heavy conflict to name but a few.

This Australian made and licenced technology was created following a long standing partnership between Monash University and Haemokinesis with funding provided by the Australian Research Council (ARC) under the criteria of a Linkage project.

GLIF uses low cost materials (paper), low cost manufacturing, and patented techniques of sample dispersion to perform a safe, reliable and fast ABO test, presenting the result in legible text for a quick and clear result.

Professor Gil Garnier, Director of Australian Pulp & Paper Institute at Monash University said this revolutionary technology is testament to the successful collaboration and relationship between Monash University and Haemokinesis.

"This product is cheaper, simpler, faster and more effective than the current process of determining someone's blood group which involves a laboratory, test tube testing, multiple people and manual labour in addition to the end result which can take days to access. GLIF relieves all of these elements requiring just one user to perform the test and read the results", Professor Garnier said.

Jim Manolios, CEO Haemokinesis said, "The vision and commitment of our teams has enabled us to bring GLIF to the market. An Australian made and licensed world changing product, formed through a long standing collaboration that we are extremely passionate about – just wait and see what comes next."

Provided by Monash University

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