

### This week in techniques

Approach	Summary	Licensing status	Publication and contact information
<b>Assays &amp; screens</b>			
T2 magnetic resonance (T2MR) nanoparticle diagnostic for systemic <i>Candida</i> infection	A T2MR diagnostic method could be used to detect systemic <i>Candida</i> infection in whole blood samples. The T2MR method uses <i>Candida</i> cell lysis, PCR amplification and nanoparticles that can detect the amplified product in whole blood. In whole blood samples taken from healthy donors and then spiked with various species of the <i>Candida</i> fungus, T2MR detection showed a 98% positive agreement and 100% negative agreement with standard blood culture diagnostics. T2MR detected <i>Candida</i> in blinded whole blood samples from patients in about 2 hours, whereas standard blood culture diagnostics took an average of 48 hours. Next steps include clinical testing.	T2 Biosystems Inc. has 10 U.S. patents and 10 international patents covering the T2MR method; available for partnering	Neely, L.A. <i>et al. Sci. Transl. Med.</i> ; published online April 24, 2013; doi:10.1126/scitranslmed.3005377 <b>Contact:</b> Thomas J. Lowery, T2 Biosystems Inc., Lexington, Mass. e-mail: <a href="mailto:tlowery@t2biosystems.com">tlowery@t2biosystems.com</a>
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