

Spartan Bioscience - DNA Analyzers for on-demand, non-batched testing



Now with 2-channel capability

Fast: Real-time PCR results on-demand

Affordable: Price of \$9,995 is affordable for all labs

Easy to use: Students and technologists may be trained in 10 minutes

Portable: Small footprint, perfect for on-site sample testing

Achievements To Date

- ▶ Validated Spartan DX™ with industry-standard PCR consumables.
- ▶ Validated market with Early Assessment Program (EAP).
- ▶ Ongoing technical collaborations with Argene, Biosearch Technologies, Biotools, Epicentre, and TrimGen.
- ▶ Independent validation of HSV, VRE and *C.jejuni* assays on Spartan DX™.
- ▶ Winner of 2008 Frost & Sullivan "Global PCR Product of the Year Award".

Intellectual Property Protection

- ▶ "System for Rapid Nucleic Acid Amplification and Detection": US #60,563,061, PCT #WO2005/100538 - *Approved*.
- ▶ "Method for Increasing the Speed of Nucleic Acid Amplification Reactions": US #11,975,439.
- ▶ New patents in process.

Scientific Team

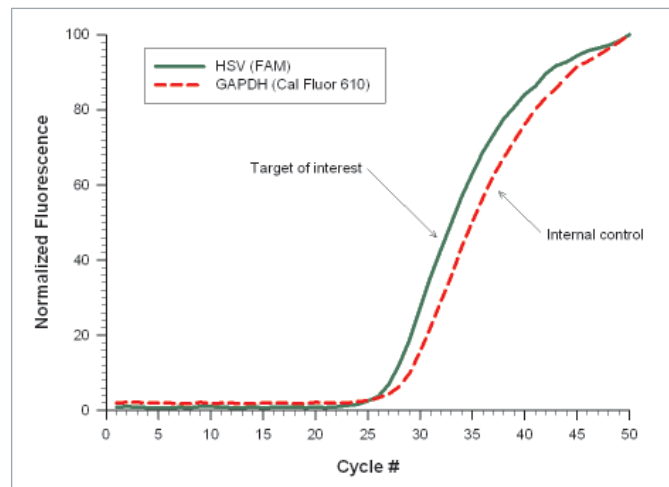
- ▶ Paul Lem, M.D, CEO
- ▶ Chris Harder, Ph.D.
- ▶ Nicole Arbour, Ph.D.
- ▶ Eric Vaillancourt, M.Sc.

Corporate Status

- ▶ January 2005 - Federally incorporated.
- ▶ June 12, 2007 - Worldwide launch of the Spartan DX™.

Why use the Spartan DX™?

- ▶ It is a perfect complement to volume-based testing.
- ▶ Serves as a highly affordable platform for anyone wishing to perform PCR.



What is the Market Problem?

- ▶ The market has asked us for 2-channel capability and we've listened. Internal controls can now be run in the same tubes as the sample(s) of interest.
- ▶ The Spartan DX™ instrument detects Green and Red fluorophores:
Green - FAM, SYBR Green
Red - Cal Fluor Red 610, Texas Red

Who is working with us?

- ▶ Proven compatibility with industry standard DNA consumables from Applied Biosystems, Bio-Rad, GE Life Sciences, Invitrogen, QIAGEN, Roche, Sigma-Aldrich, TrimGen, BioTools, Argene and others.
- ▶ US Military sites are in discussions with Spartan due to affordability and portability.
- ▶ Clinical labs with on-demand test requirements.