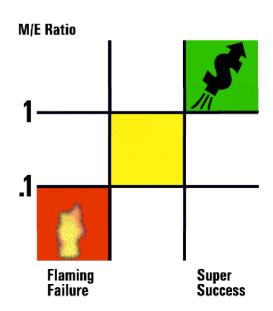
Changing Market Conditions;

Cytyc's Impact on Women's Health

Medical Development Group (MDG) October 4, 2006

Ralph E. Grabowski marketing VP

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fact-gathering, analytical Marketing to steer the enterprise™



Cytyc

Tools to anticipate and respond to change

- Startup to \$3.65 Billion
- 65% more disease detection for women
- "The biggest advance in 50 years"
 - · Mark Schiffman, National Cancer Institute

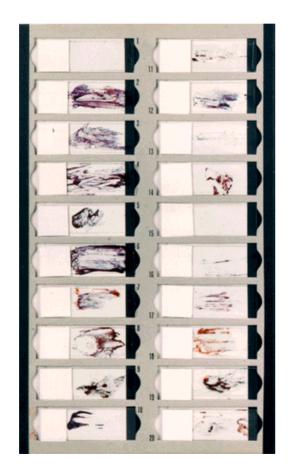




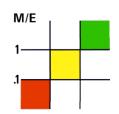


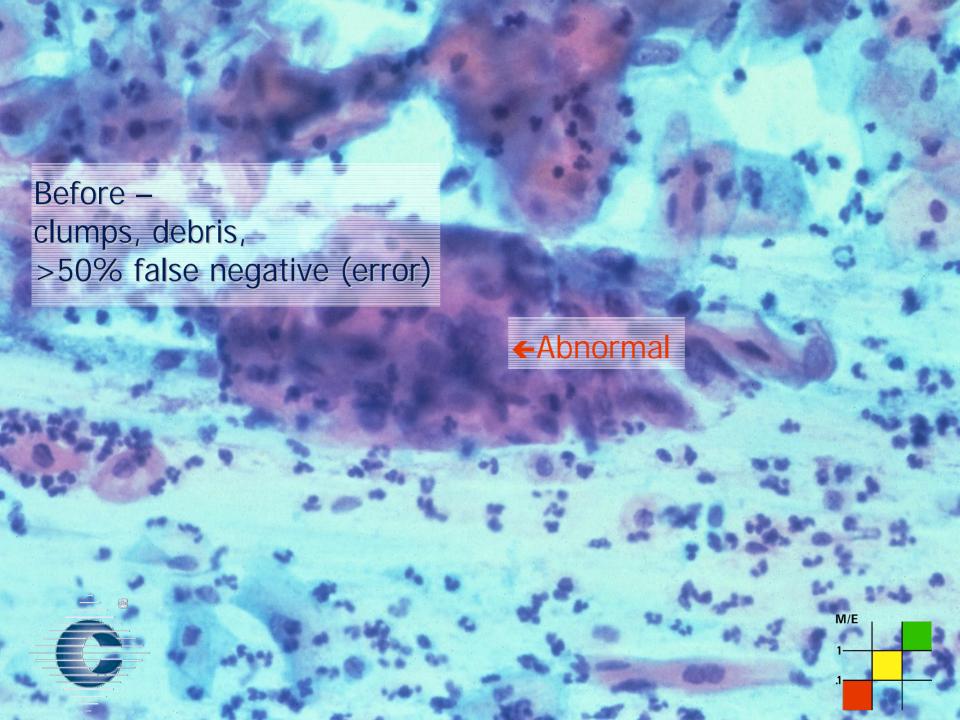
Pap smear screening – microscope slides

Before, variable



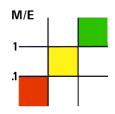


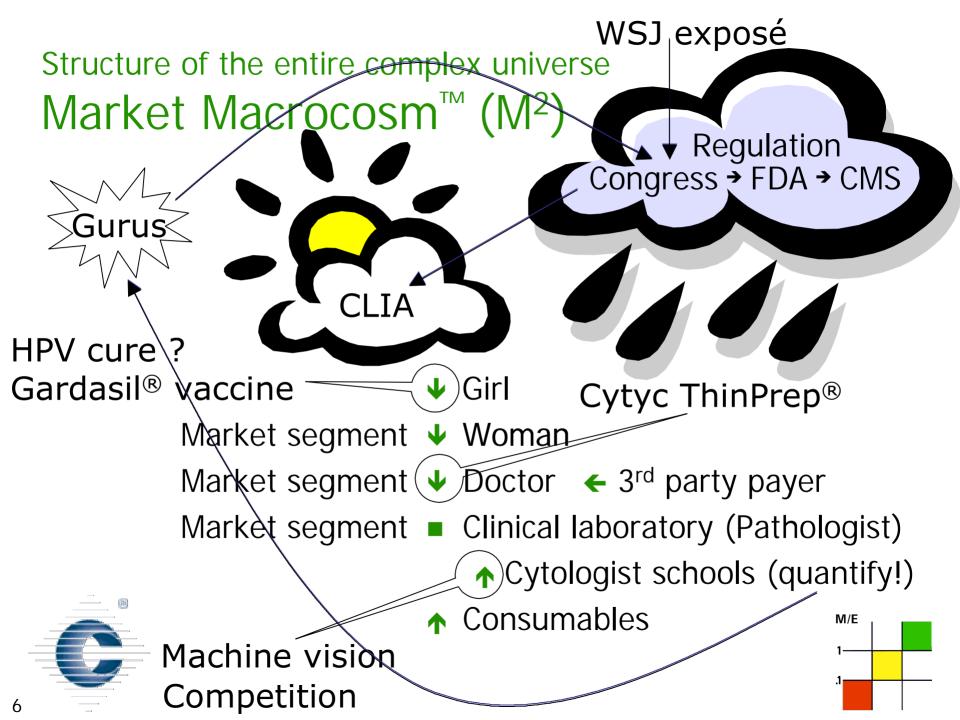




Woman





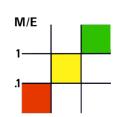


Front-end Market Research

Leads to profound product changes

- Cytyc's Market Research in testimony before Congress
 - While the entrepreneur still in his basement
 - 65% of schools closed, 30% fewer Cytologists/year
 - Clinical Lab Improvement Amendments (CLIA), PL 100-578
- 6 week payback(!), market sizing compel VC funding
- Identified the real customer problem
 - "... quality of the smear ..."



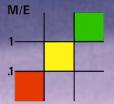


Initial machine vision system



ThinPrep® slide processor





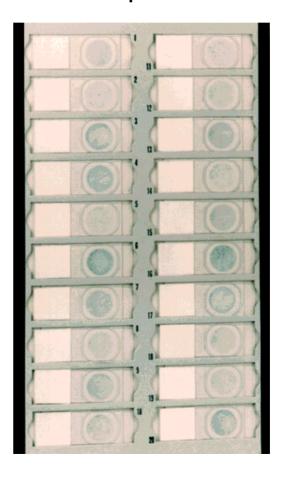
Profound product changes

ThinPrep® mono-layer, no debris

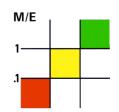
Before, variable



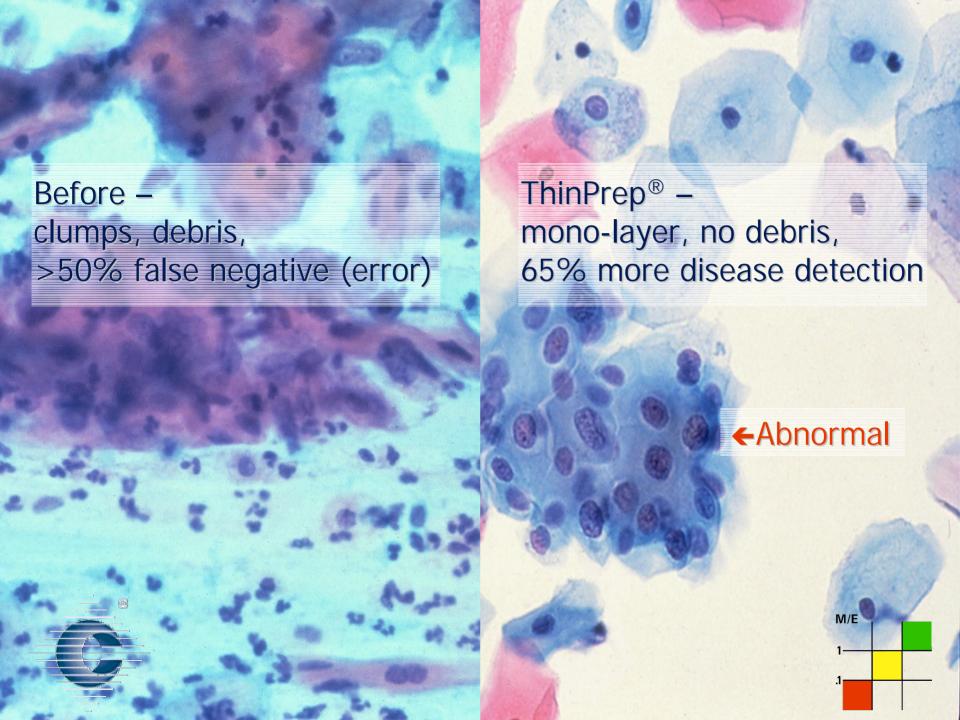
ThinPrep®, uniform











How much investment to anticipate and respond to change?

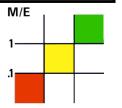
Investment model – in time

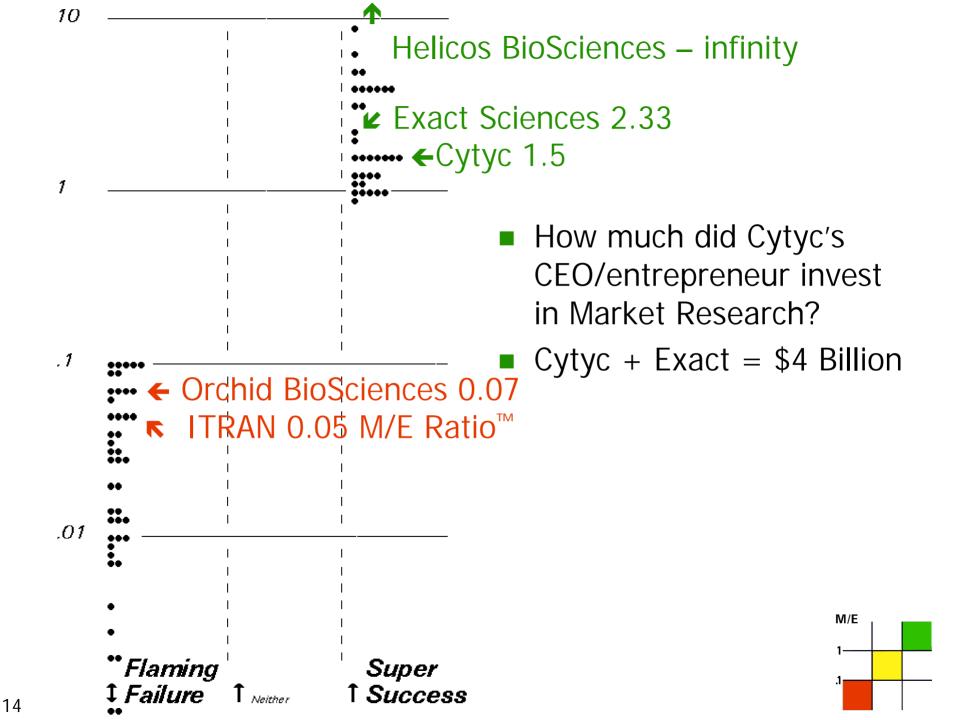
Product is ready **♥**



	Investment ratio
Front End (M)arketing	M/E™
(E)ngineering	1
Promoting	
Selling	

Developing the product	Ramping up sales
√	
√	





Before change strikes

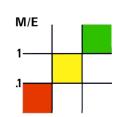
What tools he wished he had in place

"We didn't plan it that way [for Cytyc to invest 1.5 times as much in Market Research as in engineering]. We just did what we had to do. In retrospect, it would have been helpful to have such a planning tool.

"Now, we have a budgeting tool in the M/E Ratio™."

Stanley N. Lapidus, Founder, Chairman, and CEO ITRAN, Cytyc, Exact Sciences, and Helicos BioSciences





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