



NASDAQ: CEMI



RAPID tests for
EARLIER treatment

Investor Presentation

May 29-30, 2013



Forward-Looking Statements

Statements contained herein that are not historical facts are forward-looking statements within the meaning of the Securities Act of 1933, as amended. Those statements include statements regarding the intent, belief or current expectations of Chembio and its management. Such statements reflect management's current views, are based on certain assumptions, and involve risks and uncertainties. Actual results, events, or performance may differ materially from the above forward-looking statements due to a number of important factors, and will be dependent upon a variety of factors, including, but not limited to, Chembio's ability to develop, manufacture, market and finance new products and the demand for Chembio's products. Chembio undertakes no obligation to publicly update these forward-looking statements to reflect events or circumstances that occur after the date hereof or to reflect any change in Chembio's expectations with regard to these forward-looking statements or the occurrence of unanticipated events. Other factors that may impact Chembio's success are more fully disclosed in Chembio's most recent public filings with the U.S. Securities and Exchange Commission.

Investment Summary

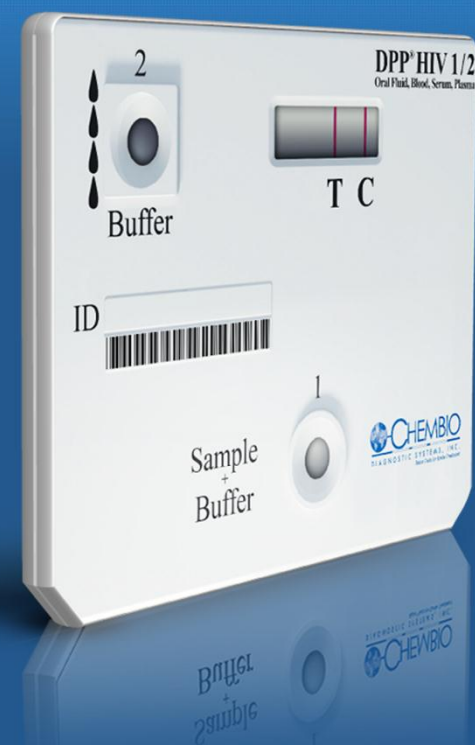


- “ Develops, Manufactures & Markets Point-of-Care Diagnostic Tests (POCTs)
- “ \$25.6MM 2012 Revenues, Profitable
 - >25% CAGR Revenue Growth FY2009-2012
 - Established & Growing Global Business of Rapid HIV & Other POCTs
- “ Patented DPP® - A Platform POCT Technology
 - Recent FDA Approval of Oral Fluid HIV Test, CLIA waiver pending
 - Strong Pipeline of Multiplex DPP Products
 - Branded, JVs, Contract Development



Chembio's Pipeline - \$850MM Total Addressable Market

Chembio Pipeline POCT	Total Market Opportunity	Targeted Launch
US HIV	\$ 75 MM	Q4-2013
US Syphilis-HIV	\$ 75 MM	2H -2014
US HCV*	\$100 MM	2015
US OTC-HIV*	\$100 MM	2015-2016
US Veterinary (OEM)*	\$100 MM	2014
International	\$400 MM	2013-2016
Total	\$850 MM	2013-2016



* Subject to market assessments/developments, and/or attainment of R&D and regulatory milestones

Chembio's Current & Near Term POCT Market Opportunities

HIV Rapid POCTS - Established, Growing Market

- “ ~50,000 New Infections in US - 2012 ; 2.5 MM Worldwide
- “ U.S. - Routine Testing USPSTF Recommendation
 - ACA Expanding Coverage by 25MM+
- International - Designation in PEPFAR & Other Donor-Funded Countries' Testing Protocols

Syphilis Rapid POCTS – New Market Opportunity

- “ Up to 70% HIV-Syphilis Co-Infection in MSM
- “ Higher Prevalence of Syphilis (1.9MM) than HIV (1.5MM) in Pregnant Women
 - Leverage Global PMTCT Programs
 - All HIV+ Need be Tested for Syphilis & Vice Versa



SURE CHECK® HIV



HIV 1/2 STAT-PAK®



DPP® HIV 1/2 Oral Fluid and Blood Assay



DPP® HIV-Syphilis Assay

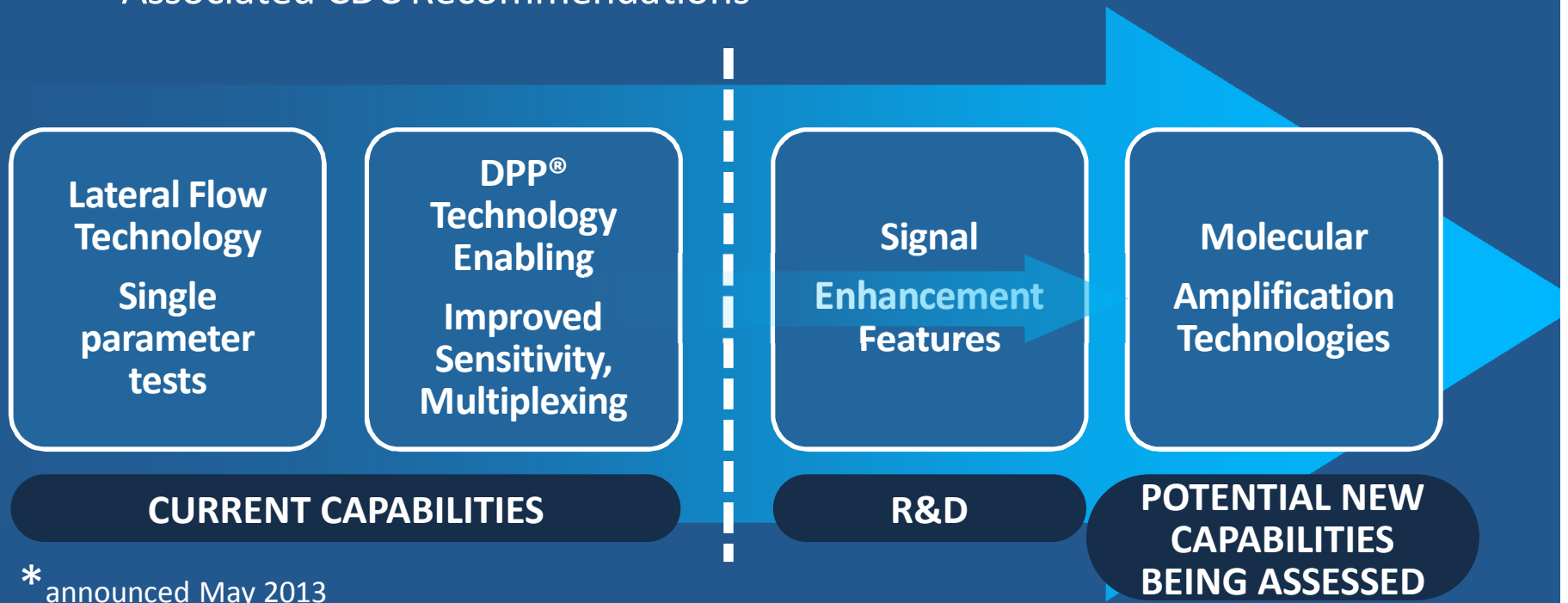


DPP® Syphilis Screen & Confirm

POCTs - A Growing \$10B Global Market

Examples of Product Opportunities for the Long Term

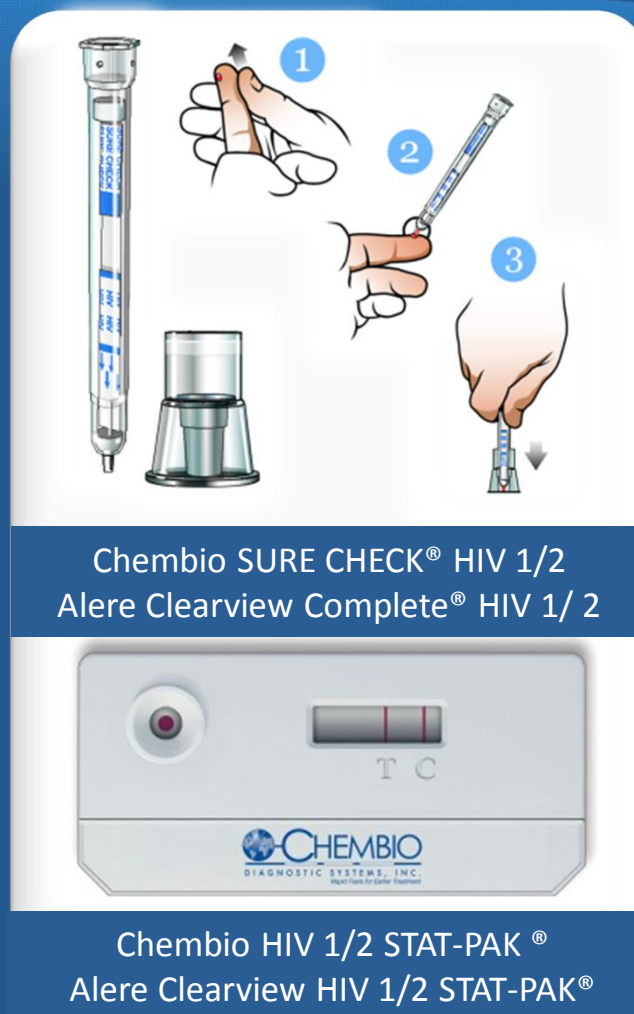
- “ Labtest Brazil*
- “ Veterinary Products (OEM)
- “ Febrile Illnesses Contract with U.S. Gov. Agency*
- “ Influenza Immunity Contract with CDC Contractor*
- “ Hepatitis-C and HIV Fourth Generation Tests
 - Associated CDC Recommendations



* announced May 2013

Current Revenues Are Primarily From Two FDA-Approved Lateral Flow Rapid HIV Tests Sold Globally

- “ Total \$13.5MM 2012 Revenues
- “ In U.S. Sold Exclusively through Alere (Clearview®)
 - \$7.8MM 2012; \$2.6MM Q1'13 vs. \$2.5MM Q1'12
- “ International Sales - Chembio Branded Through Distributors & Directly to Government-NGO-Funded Screening Programs, i.e., PEPFAR, UNICEF
 - \$5.7MM 2012; \$2.3MM Q1'13 vs. \$1.2MM Q1 '12
 - Significant Potential 2H'13 for Continued International Revenue Growth



U.S. HIV Self-Testing “OTC” Opportunity with

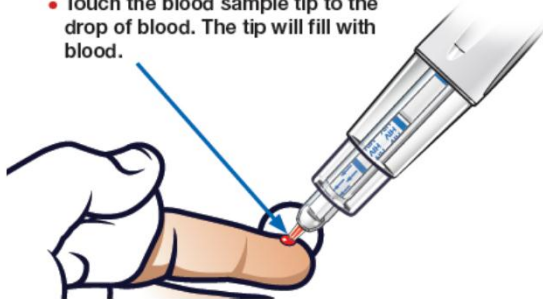


- “ Chembio Uniquely Positioned
- “ Still Assessing Market Size –
 - OSUR Spending \$7MM/QTR on HIV OTC Market Launch
- “ Filing IDE Q2 2013 for Sure Check[®] HIV

SURE CHECK HIV HOME TEST



- Touch the blood sample tip to the drop of blood. The tip will fill with blood.



Current DPP Product Revenues From Brazil

New Long Term Collaboration with Labtest

- “ Five DPP® Products with Brazilian MOH Affiliate, Main Supplier
 - \$10.1MM 2012 Revenues
 - ~\$6MM Forecast 2013, Potential of \$9MM in 2014.
- “ New Collaboration with Labtest Brazil*
 - Leading Brazilian IVD Company
 - Addressing Private & Public Markets in Brazil
 - Potential Additional Markets, Contract Manufacturing
 - Assembly & Distribution - DPP® Co-branded
 - 2013 Plan = Initial Products Registrations

*announced May 2013



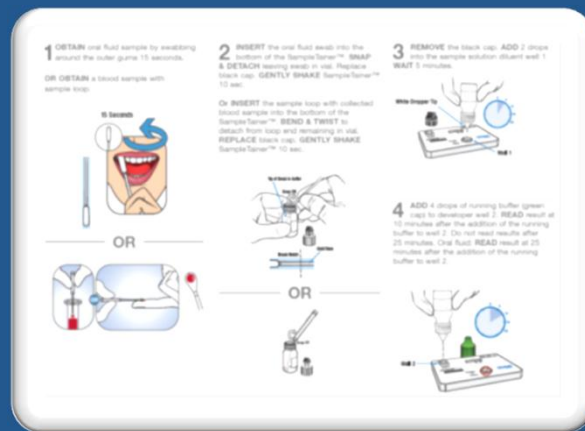
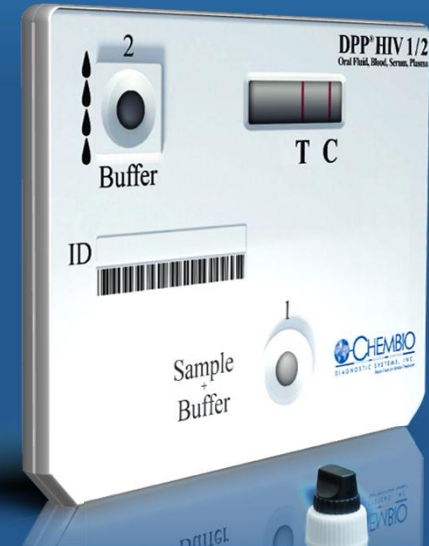
DPP® Patented Point of Care Technology

- “ Proprietary Platform Technology that Uniquely Enables Multiplexing for Higher Value Tests
- “ Increases Sensitivity as Compared with Lateral Flow Technology
- “ Validated with Numerous Partners, Regulatory Agencies



Chembio DPP® HIV 1/2 Assay FDA-Approved Dec. '12 CLIA Waiver expected Q4 2013

- “ Superior blood matrix performance over top 4 market share products in early detection study
- “ Superior Oral Fluid sensitivity v. Market Leader in head-to-head study
- “ User friendly, safe and efficient SampleTainer™ Sample Collection System
- “ Separate and reagent free oral fluid collection device



DPP® HIV 1/2 Assay v. Leading Competitor

Superior U.S. Label Claims

	DPP HIV 1/2	Oraquick ADVANCE
Performance		(Note: No S or WB claims)
Sensitivity*	99.9% WB/P/S; 99.8% FS; 98.9% OF	99.6% FS/P; 99.3% OF
Specificity*	100% FS; 99.9% OF/WB/P/S	99.9% P, 100% FS, 99.8% OF
External Controls	12 month open vial	30 day open vial
Patient Age	2+ years of age	12+ years of age
Result Read Time	25-40 min OF 10-25 min FS/P/WB/S	20-40 min OF/FS/P

DPP® HIV 1/2 Assay superior performance in recent studies (CDC-Mozambique) in “naïve” (undiagnosed) populations for which the test will be utilized, and more published articles on OraQuick market performance

*Note: Orasure conducted its U.S. trials 1999-2001 before widespread deployment of Highly Active Anti-Retroviral Therapy (HAART).

DPP® Syphilis Screen & Confirm & HIV-Syphilis Multiplex Tests

“ Large Global Market Opportunities for Pre-Natal and MSM Screening

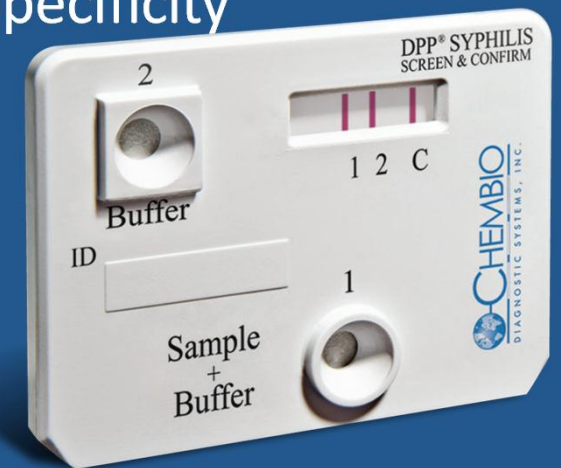
- HIV-Syphilis Comb. Leverages Global PMTCT Funding
- Syphilis Screen & Confirm
 - 2 Lab Tests (Trep. & Non-Trep.) in 1 POCT

“ USAID and WHO Evaluations in Process

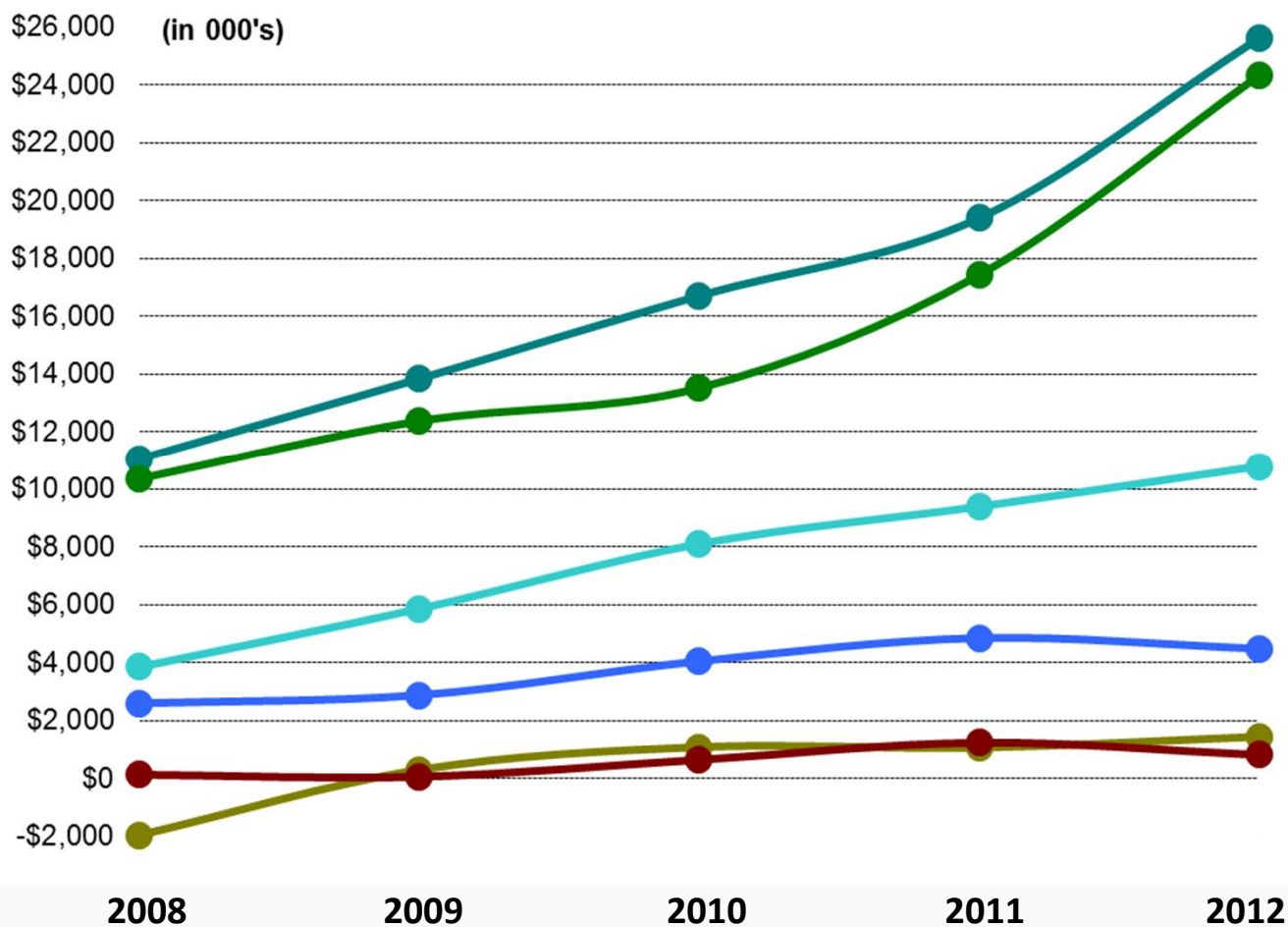
- INDRE (Mexico) Data @100% Sensitivity & Specificity

“ Anticipated FDA Submissions in 2013, 2014 Launch

- Potential International Sales 2013



Selected Financial Data FY2008 –2012



2012

Total Revenue
\$25,611

Product Revenue
\$24,327

Gross Profit
\$10,790

R&D Expense*
\$4,486

Pre-Tax Income
\$1,451

Clinical Trial Expense
\$1,451

FY2011-2012 & First Quarter 2012-2013

Selected Financial Results

in (000's)	3 Mos Ended March 31, 2013		3 Mos Ended March 31, 2012		Year Ended Dec 31, 2012		Year Ended Dec 31, 2011	
Net Product Revenues	\$	6,313	\$	6,363	\$	24,327	\$	17,422
Non-Product Revenues	\$	365	\$	290	\$	1,283	\$	1,966
TOTAL REVENUES	\$	6,678	\$	6,653	\$	25,610	\$	19,388
GROSS MARGIN	\$	2,694 40%	\$	3,333 50%	\$	10,790 42%	\$	9,390 48%
OPERATING COSTS:								
Research and development exp.	\$	1,045 16%	\$	1,379 21%	\$	4,486 18%	\$	4,878 25%
Selling, general and administrative exp.	\$	1,162 17%	\$	1,234 19%	\$	4,852 19%	\$	3,424 18%
	\$	2,207	\$	2,613	\$	9,338	\$	8,302
INCOME FROM OPERATIONS	\$	487	\$	720	\$	1,452	\$	1,088
OTHER INCOME (EXPENSES):	\$	1	\$	(1)	\$	(2)	\$	(12)
NET INCOME-Before Taxes	\$	488 7%	\$	719 11%	\$	1,450 6%	\$	1,076 6%
Income tax (benefit) provision	\$	171	\$	286	\$	509	\$	(5,133)
NET INCOME	\$	317 5%	\$	433 7%	\$	941 4%	\$	6,209 32%

❖ Anticipated 2013 FIOCRUZ Reduction from \$10.1MM in 2012 to Est. ~\$6MM in 2013 May Be Offset By Significant Gains in Ex-US Lateral Flow HIV Sales

- Ex-US Lateral Flow HIV Sales \$5.7MM 2012
- " \$2.3MM Q1'13 vs. \$1.2MM Q1 '12

CEMI Selected Share & Balance Sheet Data

\$6MM Common Stock Public Offering Closed on April 3, 2013

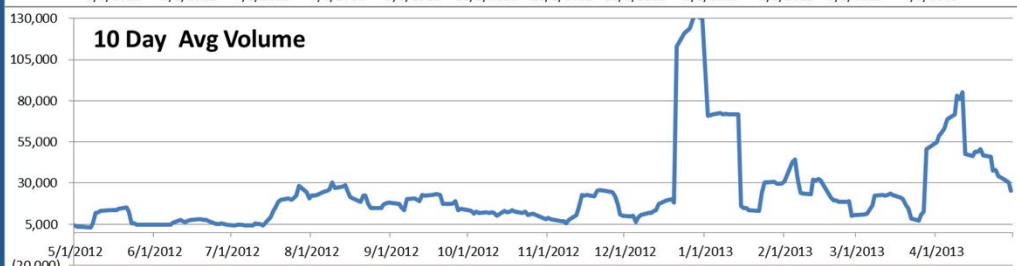
1.2MM Shares @ \$5.00 per share, \$5.450MM Net Proceeds

in millions except per share and daily volume data

Ticker Symbol (NASDAQ)	CEMI
Price 4/30/13	\$4.53
52-Week High	\$5.80
52-Week Low	\$3.61
Outstanding Shares	9.29
Market Capitalization	\$42.07
Fully Diluted Shares	10.01
Managements Holdings	1.62
Avg. Daily Volume (3 mos. to 4/30/13)	32,000
Average Daily Volume (April 2013)	37,800

Options	Amt.	Avg. Ex. Price
585K held by Mgmt. & Board	725K	\$2.42

(\$ in 000s)	Pro Forma Mar'13 for Offering Closed 4/3/13 non-GAAP	Mar'13 Unaudited	Dec'12	Dec'11
Cash	\$8,049	\$2,599	\$2,952	\$3,011
Total Current Assets	16,684	11,234	11,009	8,992
Total Assets	\$22,923	\$17,473	\$17,335	\$15,486
Total Current Liabilities	3,213	3,213	3,378	2,858
Total Liabilities	3,213	3,213	3,460	2,991
Stockholders' Equity	19,710	14,260	13,875	12,495
Total Liabilities & Stockholders' Equity	\$22,923	\$17,473	\$17,335	\$15,486



Leadership

Executive		Joined Company
Lawrence Siebert	Chairman & CEO	2002
Richard Larkin	Chief Financial Officer	2003
Sharon Klugewicz	Chief Operating Officer	2012
Javan Esfandiari	SVP Research & Development	2000
Tom Ippolito	VP Regulatory & Clinical Affairs	2005
Michael Steele	VP Sales Marketing & Bus. Dev.	2012
Independent Directors		Joined Board
Gary Meller, MD, MBA		2005
Katherine Davis, MBA		2007
Barbara DeBuono, MD, MPH		2011
Peter Kissinger, Ph.D		2011

Organization & Facility

- “ FDA- and USDA-Approved Development & Manufacturing Facility
- “ All Company Operations in 30,600 Sq. Ft. Leased Facility in Medford, NY
- “ Pursuing Increased Efficiencies, Automation, Capacity



TOTAL EMPLOYMENT: Approximately 171

Anticipated Developments - 2013-2014

- “ Oral Fluid HIV Test CLIA Waiver & Launch
 - Direct Distribution in Public Health for Pipeline of Complementary Products
- “ Expanding International Revenues for Lateral Flow and DPP® Products
- “ FDA Submission & Approval of Two POCT Multiplex Syphilis Tests Based on DPP® Technology
- “ New Distribution, Contract Development & OEM Deals
- “ Acquire/License New Technologies, Product Lines
- “ Increased Production Capacity

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