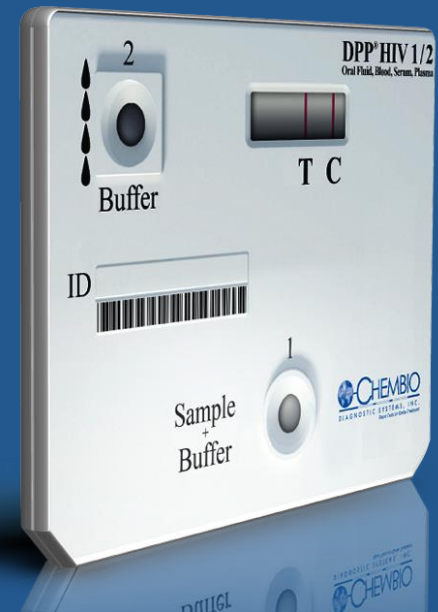


NASDAQ: CEMI



Rapid Tests for Earlier Treatment™



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.

Our Vision & Mission

We enable longer and healthier living through detection and monitoring of serious diseases.

Our mission is to be a leader in the development and commercialization of diagnostic solutions. We are dedicated to delivering high-quality products that provide ease of use, and rapid and accurate results at the point-of-care (POC). As a global company, we are committed to innovation and the highest quality standards.



Investment Highlights

- Global Provider of High Quality POC Infectious Disease Tests
 - Sales in 43 countries
- Revenue Growth Averaged 15% Over Last Five Years
 - From \$16.70MM for FY 2010; to \$27.65MM for FY 2014
- Patented DPP® (Dual Path Platform) Technology
 - Lead Product: DPP® Blood/Oral Fluid HIV 1/2 Assay (FDA-Approved, CLIA-Waived)
 - DPP® Revenue Growth of 137% in 2014 as compared to 2013
- Future Pipeline of DPP® POC Assays
 - DPP® HIV-Syphilis Combination Assay (US version)
 - DPP® Fever Panel Assay (Malaria, Dengue Fever, Ebola)
- New Collaborations and Development Projects
 - POC DPP® Assays for Malaria, Dengue Fever, Ebola, Febrile Illness, Flu Immunostatus, Brain Injury and a Specific Type of Cancer

Global POC Diagnostics Company

U.S.

- Revenue (FY '14): \$7.2MM or 28%
- Established U.S. Sales & Marketing (June '14)
- DPP® HIV 1/2 FDA-Approved, CLIA-Waived
- Funded Research: CDC, DOD, NIH (2013)

EUROPE

- Achieved CE mark for SURE CHECK® HIV (July '13)
- Achieved CE mark for HIV STAT-PAK® (March '14)
- Pending CE mark for DPP® HIV and DPP® HIV/Syphilis Assays

ASIA

- Established License, Technical Transfer, Contract Manufacturing, Distribution Agreement (Feb. '14)

LATIN AMERICA

- Revenue (FY '14): \$16.4MM or 63%
- Strong OEM Partnerships (e.g., FIOCRUZ, Labtest)
- Branded products sold to NGOs, private distributors
- Achieved ANVISA approval in Brazil for DPP® HIV-Syphilis Assay

MERA (Middle East, Russia, Africa)

- Revenue (FY '14): \$2.1MM or 8%
- Sales channel: NGO-direct & through distributors
- Procurements primarily funded by PEPFAR, Global Fund, and WHO

POC In-Vitro Diagnostics (IVD) Total Global Market

Global Professional POC Market (\$ million)

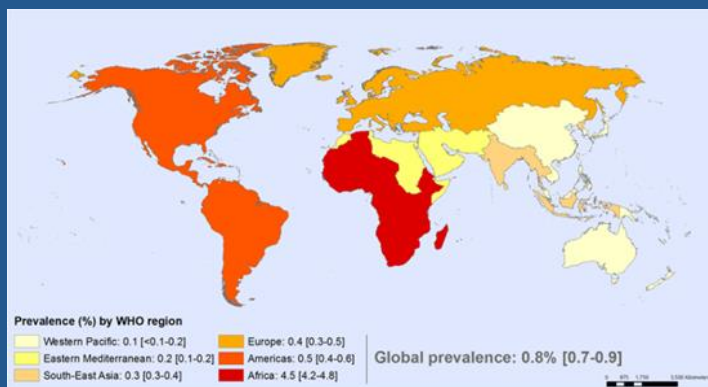
	2011 Sales	2016 Sales	CAGR
Glucose	1,530	1,640	1%
Infectious Disease	810	950	3%
Critical Care	725	875	4%
Cardiac Markers	500	650	5%
Hematology	430	500	3%
Coagulation/PT, ACT	400	450	2%
Fecal Occult Blood	295	450	9%
Cholesterol/Lipids	275	355	5%
Drugs of Abuse	265	270	0%
HbA1c	150	300	15%
Other	150	190	n/a
Pregnancy	130	135	1%

Current Market Opportunities

HIV Market

- 35 million people were living with HIV/AIDS worldwide in 2013
- 1.6 million people died of AIDS-related illnesses in 2012
- In total, ~75 million people have been infected with the HIV virus and ~36 million have died of HIV

HIV Prevalence (15-49 years), by WHO Region



Syphilis Market

- Approx. 12 million people globally become ill with syphilis annually
- From 2005-2013, syphilis cases in the U.S. nearly doubled, from 8,724 to 16,663
- Syphilis in pregnancy leads to ~305,000 fetal & neonatal deaths annually

New Cases of STIs, by WHO Region

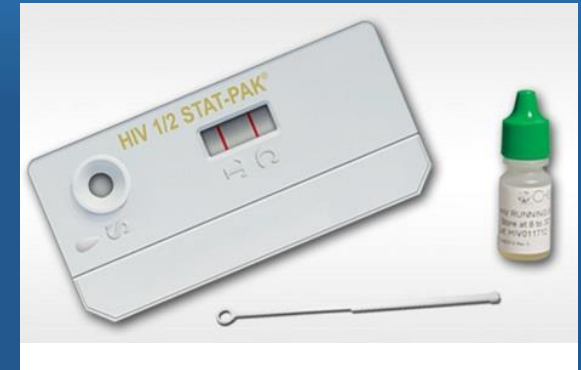


HIV In The U.S. - The Importance Of Testing

- More than 1.1 million people in the United States are living with HIV infection, and almost 1 in 6 of them (15.8%) are unaware of their infection
- There are ~50,000 new infections per year in the U.S.
- For every HIV infection that is prevented, an estimated \$355,000 is saved in the cost of providing lifetime HIV treatment

Chembio “Lateral Flow” POC Tests

- Two Lateral Flow POC HIV Tests
 - Chembio HIV 1/2 STAT-PAK®
 - Chembio SURE CHECK® HIV 1/2¹
- Key Product Features
 - FDA (PMA)-Approved, CLIA-Waived
 - Sensitivity: 99%
 - CE Marked, WHO-Approved
- Lateral flow patent expired in February 2015
 - Chembio’s royalty payment obligation for use of lateral flow technology ended Feb 2015



Chembio HIV 1/2 STAT-PAK®

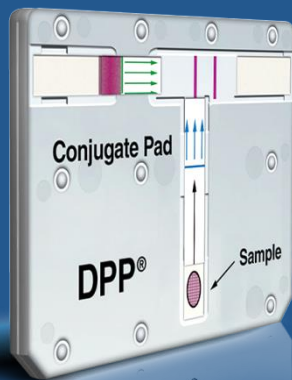


Chembio SURE CHECK® HIV 1/2*

Chembio's "Dual Path Platform" (DPP®) Technology

- Patented technology
- Allows improved sensitivity and specificity compared to lateral flow technology
- Enables multiple test results for different diseases via a single blood sample (e.g., HIV-Syphilis Combo Assay)
- Offers application within infectious disease and potential for a number of other indications

Mechanism



Results

Screening Tests



Confirmatory/Multiplex Tests



DPP[®] Assays - Commercial Products

DPP[®] HIV 1/2 Assay

- U.S. FDA (PMA) approved, CLIA-Waived for use with blood and oral fluid samples
- U.S. Launch – Q4 2014
- Entering the ~\$35MM oral fluid assay market
- Superior performance (sensitivity) vs. competitors
- Patented SampleTainer[®] Sample Collection System

DPP[®] HIV-Syphilis Combo Assay

- First to market with POC HIV-Syphilis combo assay
- First HIV-Syphilis assay to be USAID approved
- First to receive ANVISA approval (Brazil)
- Organizing clinical trials for US FDA approval.
- Successfully launched in Mexico
- Global screening opportunity:
 - Pregnant Women (Incidence 1.9MM)¹
 - MSM (up to 70% HIV-Syphilis co-infection)²

DPP[®] Internal Development Pipeline

- DPP[®] HIV-Syphilis Assay (U.S. market)
 - Next Generation DPP[®] HIV-Syphilis “Combo” Assay for detection of HIV and Syphilis Antibodies

- DPP[®] HIV Ab/Ag Assay
 - Next Generation DPP[®] HIV for the detection of HIV Antibody and Antigen

DPP[®] Research Collaborations

- DPP[®] Malaria Assay
 - Bill & Melinda Gates Foundation
- DPP[®] Dengue Fever (Multiplex Assay)
 - Undisclosed Partner
- DPP[®] Ebola Multiplex Assay
 - Integrated BioTherapeutics, Inc.
- DPP[®] Flu Immunostatus (Multiplex Assay)
 - Centers for Disease Control & Prevention (CDC) Contractor
- DPP[®] Traumatic Brain Injury Assay
 - Perseus Science Group, LLC
- DPP[®] Cancer (Specific Form) Assay
 - Undisclosed Partner

DPP® Technology Collaborations

- Bio-Rad Laboratories, Inc. (NYSE: BIO)
 - DPP® Technology Used for Bio-Rad Geenius™ HIV 1/2 Confirmatory Assay
- Oswaldo Cruz Foundation (Brazil)
 - Five DPP® Products Currently Being Sold to NGO's and Private Distributors
- Centers for Disease Control & Prevention (CDC)
 - Research Collaboration Agreement: DPP® Ebola and DPP® Febrile Illness
- LabTest (Brazil)
 - Assembly, Distribution – DPP® Co-branded (2015 Product Registration)
- RVR (Malaysia)
 - License, Technical Transfer, Contract Manufacturing, Distribution
- Other
 - Additional Opportunities in Discussion/Development

Chembio Manufacturing Capabilities

- Leased facilities (~60,000 sq. ft.) in Medford and Holbrook, NY
- High Volume Manufacturing Capabilities (>15MM tests annually)
- Robust Quality Management System
 - POC tests serve diverse, regulated market
 - Audited routinely by FDA CDRH/CBER, WHO, USDA, ISO (LNE), and our partners
 - Expertise in manufacturing scale-up, process validation, and adherence to GMP (Good Manufacturing Processes)
- Approximately 162 employees

Selected Financial Highlights

Six Months Ended (In 000's)	June 30, 2015	June 30, 2014
NET PRODUCT REVENUES	\$11,936	\$12,153
TOTAL REVENUES	\$12,947	\$13,236
GROSS MARGIN	\$5,706	\$5,255
LOSS FROM OPERATIONS	(\$1,773)	(\$616)
NET LOSS	(\$1,311)	(\$371)
CASH (as of end of period)	\$1,564	\$6,835

Note: Accounts receivable as of 6/30/14 was \$5,423 compared to 6/30/15 of \$8,868.

2014 Milestones - Achieved

- **Product Development/Regulatory**
 - Achieved CE Mark for HIV 1/2 STAT-PAK[®]: Mar 2014
 - Received CLIA Waiver for DPP[®] HIV 1/2: Oct 2014
 - Entered development agreements for Dengue Fever and specific Cancer assay: Oct 2014
 - Signed Agreement with CDC Contractor to Develop POC Influenza Immunity: Nov 2014
- **Corporate/Operations**
 - Finalized Agreement with RVR (Malaysia) to Build Position in Asia: February 2014
 - Established U.S. Distribution/Warehouse Facility in Holbrook, NY: May 2014
 - Obtained Exclusive POC License for Certain IBT Ebola Reagents: Oct 2014
 - Increased Manufacturing Footprint and Capacity in Medford, NY: Dec 2014
- **Commercial / Sales & Marketing**
 - Terminated STAT-PAK[®] Distribution Agreement with U.S. Distributor: June 2014
 - Established U.S. Sales & Marketing team (DPP[®] HIV 1/2, HIV 1/2 STAT-PAK[®]): June 2014
 - Signed DPP[®] and STAT-PAK[®] agreements with 3 leading U.S. distributors: Sep-Oct 2014

2015 Milestones – Achieved & Anticipated

- **Product Development/Regulatory**
 - Entered into Agreement with Perseus to Develop DPP[®] Brain Injury Assay: January 2015
 - Grant from Bill & Melinda Gates Foundation to Develop DPP[®] Malaria: January 2015
 - Achieved ANVISA Approval for DPP[®] HIV-Syphilis Assay in Brazil: February 2015
 - Provided DPP[®] Ebola Assay to CDC for Field Testing in West Africa: Q2 2015
 - Initiate Clinical Trial for DPP HIV-Syphilis Assay (U.S.): anticipated Q4 2015
- **Corporate/Operations**
 - Hired Paul Lambotte Ph.D. (VP, Product Development): December 2014
- **Commercial / Sales & Marketing**
 - Acquired Full Rights to SURE CHECK[®] HIV 1/2 Assay, Effective June 1, 2016: January 2015
 - Expand Chembio U.S. Commercialization Team: in progress during 2015
 - Enter into Additional Distribution Agreements in the U.S. Market : in progress during 2015
 - Launch DPP[®] HIV-Syphilis Assay in Brazil: anticipated Q4 2015

Executive Leadership Team

Executive	Previous Experience	Joined
John J. Sperzel III President & CEO	2011-2013, President and CEO of ITC.; 1987-2011 Axis-Shield, Bayer Diagnostics, Instrumentation Laboratory and Boehringer Mannheim	2014
Richard Larkin, CPA Chief Financial Officer	2000-2003, CFO of Visual Technology Group; 1987-2000 CFO of Protex International Corp.	2003
Sharon Klugewicz, M.S. Chief Operating Officer	2009-2012, Sr. VP Scientific & Laboratory Services of Pall Corporation; 1991-2009 Pall Corporation	2012
Javan Esfandiari, M.S. Chief Science & Technology Officer	1997-2000, Co-Founder of Sinovus Biotech AB (Sweden), acquired by Chembio in 2000; 1993-1997 R&D Director On-Site Biotech	2000
Thomas Ippolito VP Regulatory & Clinical Affairs	2000-2005, VP Quality & Regulatory of Biospecific Technologies Corp.; 1984-2000 United Biomedical Inc., Analytab Products Inc. and Eastern Long Island Hospital	2005
Michael Steele VP Sales Marketing & Bus. Dev.	2008-2011, VP Business Development of SeraCare Life Sciences; 1992-2008 Corautus Genetics, Life Therapeutics and Serologicals, Inc.	2012
Paul Lambotte VP Product Development	2009-2014, President of PLC Inc.; 2009-2012, Chief Science Officer Axxin Pty Ltd.; 2000-2009, VP of R&D and Business Development	2014

Investment Highlights

- Global Provider of High Quality POC Infectious Disease Tests
 - Sales in 43 countries
- Revenue Growth Averaged 15% Over Last Five Years
 - From \$16.70MM for FY 2010; to \$27.65MM for FY 2014
- Patented DPP® (Dual Path Platform) Technology
 - Lead Product: DPP® Blood/Oral Fluid HIV 1/2 Assay (FDA-Approved, CLIA-Waived)
 - DPP® Revenue Growth of 137% in 2014 as compared to 2013
- Future Pipeline of DPP® POC Assays
 - DPP® HIV-Syphilis Combination Assay (US version)
 - DPP® Fever Panel Assay (Malaria, Dengue Fever, Ebola)
- New Collaborations and Development Projects
 - POC DPP® Assays for Malaria, Dengue Fever, Ebola, Febrile Illness, Flu Immunostatus, Brain Injury and a Specific Type of Cancer