



# Investor Presentation August 2009



#### **Forward Looking Statements**

Statements contained herein that are not historical facts are forwardlooking 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 obtain additional financing and the demand for Chembio's products. Chembio undertakes no obligation to publicly update these forwardlooking 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. 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** 







- Medford, NY FDA (PMA), USDA and ISO 13.485 certified manufacturer of point of care tests
- Growing base business of rapid tests for HIV marketed in the US and globally based on lateral flow technology
- 24% 5-Year CAGR of Sales Achieved Profitability Q2-09
  - 108% YTD Increase in Rapid HIV Test Sales
- New Product Pipeline Enabled by Patented DPP<sup>®</sup> Point of Care Platform



Point of Care Single and Multiplex Test Development, Manufacturing, & Licensing



## **Point of Care Test Market**



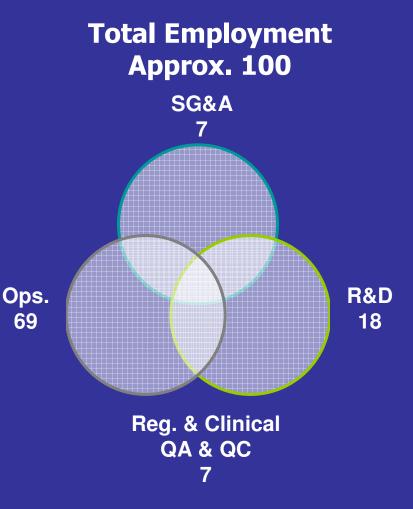
- \$5B+ 2008 Global Point of Care Test Market
  - 11% Compounded Annual Growth Rate (CAGR)
  - Part of >\$38B IVD Market
- Provide Immediate Information
  - Simply, Accurately, Cost Effectively
- Enable Improved Outcomes
  - Earlier Detection, Earlier Treatment
  - Lower Overall Cost of Care



#### **Organization & Management Team**









Regulatory Approvals Provide Access to Large, Diverse & Global POCT Markets



U.S. Food and Drug Administration CENTER FOR BIOLOGICS EVALUATION AND RESEARCH



Two FDA-Approved PMA's

USDA-Approved Facility & Product Licenses



ISO Certified for Global Markets



## **FDA Approved Rapid HIV Tests**



#### **108% US Market Revenue Growth YTD**

- Estimated 10-15% Market Share
- Gains Based Upon Competitive Features & Increasing
   Adoption of CDC Recommendations for Routine HIV Testing
- Competitive Features
  - CLIA Waived
  - Two Formats
  - 99.7% Sensitivity;99.9% Specificity
  - Proprietary
     Formulation
     Enables 24 Month
     Stability
  - Strong Marketing
     Partner



Chembio's Lateral Flow Rapid HIV Tests Marketed Exclusively in the USA by Inverness Medical Innovations, Inc.





# Chembio's Rapid HIV Tests are Distributed Globally



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- Approved for Procurements by UN,WHO, CDC/USAID (PEPFAR)
- Registered/Approved in several countries in South America, Asia, and Africa
- CE Mark Pending

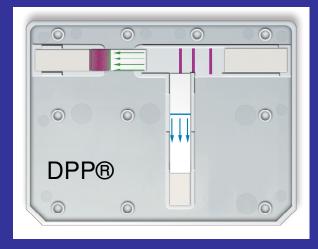


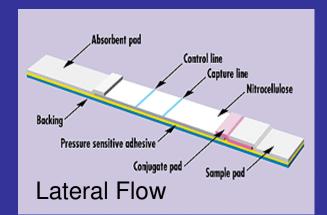
# **DPP® DUAL PATH PLATFORM**

**KEY DESIGN AND PERFORMANCE ADVANTAGES vs. LATERAL FLOW** 



- Independent Sample Flow Path Enables Improved Sensitivity & Use of More Challenging Sample Types
- Improved Multiplexing Facilitated by Direct Binding, Uniform Delivery of Samples
- US Patent #7,189,522. Patent Protection Pending Worldwide







# **Products & Pipeline**



	R&D	Pre-Clinical	Validation	Clinical	Commercial Product(s)	Est. US Mkt	# of U.S.
HIV and Other				Testing		Size	Compet.
Lateral Flow Rapid	CEM		product reve e \$2MM in U	0 MM @6/30 YTD V tests	\$15MM (blood)	1	
Tests; Contract R&D							
	DPP®	Product Pip	eline				
3 OEM Products for Brazil MOH					Est. \$12MM Min. Purchases 2009- 2012	NA	n/a
HIV Oral Fluid			>			\$35 MM (oral fluid)	1
Syphilis Screen & Confirm						\$50 MM	0
Hepatitis -C (HCV) & Combo HIV/HCV		$\rightarrow$				\$50 MM	0
Influenza		•				\$250 MM	6
Global Health Products	$\rightarrow$				Donor Funded Dem	and	n/a



# DPP<sup>®</sup> HIV 1/2 Screen Assay

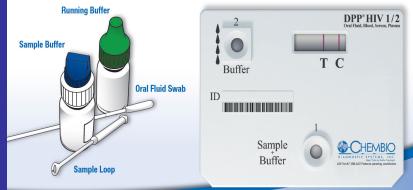


- Designed for Use with Oral Fluid & Blood
- \$50MM/5MM Unit US Market Growing 15-20%/Year
- Opportunity to Gain Market Share from Sole Competitor
- US Clinical Trials
   Commencing Q4 2009





A Rapid Qualitative Screening Assay for the Detection of Antibodies to HIV 1/2 in Oral Fluids, Whole Blood (Venous or Finger-stick), Serum or Plasma

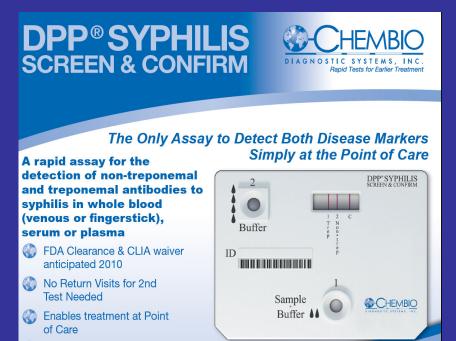




## **DPP<sup>®</sup> Syphilis Screen & Confirm**



- First POCT for Syphilis in US Developed with US CDC
- Comparable to US HIV Market Dynamic
- FDA Pre-IDE Submission Q3 to Confirm Clinical Plan for 510(K)
- Better Indication of Active Syphilis Disease
- Enables Confirmation & Treatment at POC



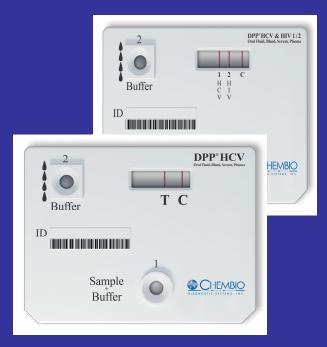
🔇 Optional Portable Reader Available

CHEMBIO DIAGNOSTIC SYSTEMS, INC. Read Tests for Carlor Free Transmission

# Hepatitis-C (HCV)



- Estimated 3MM Infections in US
  - Only 22% Diagnosed
  - 25% Co-infection with HIV
  - Major Cause of Liver
     Disease
  - New therapeutics from Vertex, etc. will drive demand for Dx
- No Point of Care Test in US
- Chembio Participating in Pre-Clinical CDC Study



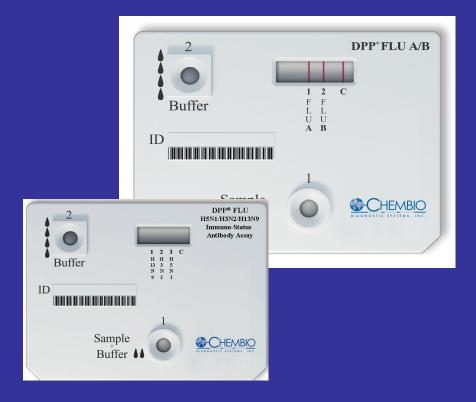


# INFLUENZA

#### **ANTIGEN & IMMUNITY TESTS**



- Current Lateral Flow Rapid Tests Need Improvement
- Initial Data Show Improved Performance with DPP<sup>®</sup>
- Multiplex Immune Status Serology Test Project with CDC





# **DPP<sup>®</sup> Global Health Products**



Five Band POC Confirmatory Test Being Launched in Brazil
Three Year \$3MM NIH SBIR Phase II Grant for Human Leptospirosis



DPP <sup>®</sup> Point of Care Test	<b>Collaborating Organization</b>
Tuberculosis	FIND
Malaria	FIND
HIV 1/2 Confirmatory Test	FIOCRUZ
<b>Neglected Diseases:</b> Leishmaniasis, Chagas, Leptospirosis, Leprosy	IDRI, NIH, FIOCRUZ



## **Portable Readers with DPP®**



- Hand Held & Desktop Models
- Sharper Test Results with DPP<sup>®</sup> improve reader performance
- Eliminates Interpretation Errors
- Multiplex Test Results recorded and printed
- USB connection for Data export. A/C and Rechargeable Battery Power





## **Specialty Veterinary Products**



#### • Companion Animals

- Canine Leishmaniasis -Brazil
- Research Laboratory Applications
- Veterinary TB
  - Two USDA Approved
  - Cervid TB Pending USDA Approval

#### **VetTB STAT-PAK** A family of tests for the rapid CervidTB STAT-PAK<sup>®</sup> Assav and accurate detection of TB Accurate Detection of Tuberculosis (TB) in Cervids in < 20 Minutes mbio's CervidTB STAT-PAK, a rapid and c ide test for the detection of TB antibodie **CHEMBIO** AGNOSTIC SYSTEMS, INC chnology nd IgG antibodies from a wide 's CervidTR STAT-PAL a, plasma, or whole blood ive, wild and exotic host species and zoo species personnel HEMBIC



#### **Selected Comparative Historical Financial Results**

атры Струкција 12345С
C Barrenson C Bar
Sample
Sañju Buffer
DPP'SYPHILIS SCREEN & CONFIRM
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Sample d'atterner de la contention de la

	For the Years Ended						
\$(000s)	2008		2007		2006		2005
Total Revenues	\$ 11,050	\$	9,231	\$	6,503	\$	3,941
Cost of sales	7,198		6,435		4,894		<b>2,996</b>
G ross Profit	3,852		2,796		<b>1,609</b>		945
	34.9%		30.3%		24.7%		24.0%
R&D Expense	2,605, <b>2</b>		1,907		1,402		1,365
SG&A Expense	3,317		3,765		4,787		2,878
Operating Income (Loss)	(2,071)		(2,876)		(4,580)		(3,298)
Other Inc. (Expense)	122		249		(415)		46
Net Income (Loss)	(1,949)		(2,627)		(4,995)		(3,252)
Pref. Stock Expenses	-		5,645		3,210		3,517
Net Income (Loss)	\$ (1,949)	\$	(8,272)	\$	(8,205)	\$	(6,769)
Net Income (Loss)/Share	\$ (0.032)	\$	(0.566)	\$	(0.797)	\$	(0.879)
Avg. No. Shares (ММ))	61.267		14.608		10.293		7.705
Working capital	\$ 1,664	\$	3,229	\$	5,113	\$	4,708
Total assets	5,915		6,585		7,907		7,075
Total liabilities	<mark>3,338</mark>		2,322		2,297		1,964
Equity (Deficit)	2,577		4,263		(940)		1,053



#### **Selected Comparative Historical Financial Results**

		Three Mos Ended			Six Mos Ended				
	\$(000s)		lun-09	J	lun-08		Jun-09	J	un-08
	Total Revenues	\$	3,374	\$	2,718	\$	5,919	\$	5,083
Y	Cost of sales		2,012		1,706		3,558		3,238
	Gross Profit		1,362		1,012		2,361		1,845
DPP*HIV1/2			40.4%		37.2%		<b>39.9%</b>		36.3%
2345C	R&D Expense		703		567		1,350		1,194
3	SG&A Expense		542		810		1,218		1,828
Ceveo	Operating Income (Loss)		117		(365)		(208)		(1,177)
DEL. HIA 115	Other Inc. (Expense)		(7)		2		(7)		16
c	Pref. Stock Expenses		-		-		-		-
@OFENERO	Net Income (Loss)	\$	110	\$	(363)	\$	(215)	\$	(1,161)
	Net Income (Loss)/Share	\$	0.002	\$	(0.006)	\$	(0.003)	\$	(0.019)
	Avg. No. Shares (мм))		61.945		60.616		61.945		60.577
DPP'SYPHILIS SCREEN & CONFIRM	Working capital	\$	1,601	\$	1,827	\$	1,601	\$	1,827
	Total assets		6,167		6,219		6,167		6 <b>,2</b> 19
CHEMBIO	Total liabilities		3,714		2,894		3,714		2,894
	Equity (Deficit)		2,453		3,325		2,453		3,325



## **Selected Balance Sheet Data**



(\$000s)				
Balance Sheet Data	Ju	ne '09	D	ec.'08
Cash		1,859		1,212
Accts. Receivable		611		809
Inventories		1,653		1,819
Other Current Assets		247		225
Total Current Assets		4,370		4,066
Net Fixed Assets		704		881
Other Assets		1,093		968
Total Assets		6,167		5,915
Total Current Liab.		2,769		2,402
Total Other Liab.		945		936
Total Liabilities		3,714		3,338
Total Equity		2,453		2,577
Total Liabilities &				
Shareholders Equity	\$	6,167	\$	5,915



## **Selected Share Data**



**Ticker Symbol Price 8/14/09** 52 Week High 52 Week Low **Outstanding Shares Market Capitalization Fully Diluted Shares Management Holding** Average Volume (3 Mos)

CEMI \$0.16 \$0.23 \$0.08 61.9MM **9.9MM** 66.9MM **8.8MM** 52,803





