UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 10 - Q

QUARTERLY REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934.

For the quarterly period ended June 30, 2010

000-30379 (Commission File Number) Chembio Diagnostics, Inc. (Exact name of registrant as specified in its charter)

Nevada 88-0425691 (State or other (IRS Employer jurisdiction of Identification incorporation) Number) 3661 Horseblock Road Medford, New York 11763 (Address of principal executive offices including zip code) (631) 924-1135 (Registrant's telephone number, including area code)

(Former Name or Former Address, if Changed Since Last Report)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes X No ____

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes____ No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer [] Accelerated filer []

Non-accelerated filer [] (Do not check if a smaller reporting company) Smaller reporting company [X]

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes $___$ No X

As of July 27, 2010, the Registrant had 62,138,151 shares outstanding of its \$.01 par value common stock.

Quarterly Report on FORM 10-Q For The Period Ended

June 30, 2010

Table of Contents

Chembio Diagnostics, Inc.

Page

Part I. FINANCIAL INFORM	IATION:	
Item	1. Financial Statements:	
of Ju	densed Consolidated Balance Sheets as une 30, 2010 (unaudited) and December 2009.	2
Ope	idensed Consolidated Statements of rations (unaudited) for the three and six iths ended June 30, 2010 and 2009.	3
Flow	densed Consolidated Statements of Cash vs (unaudited) for the six months ended e 30, 2010 and 2009.	4
	es to Condensed Consolidated Financial ements (unaudited)	5 to 15
Ana	n 2. Management's Discussion and lysis of Financial Condition and Results operations	16
	F	
Item	4. Controls and Procedures	28
Part II. OTHER INFORMAT	ION:	
	•1 •,	20
Exh	IDITS	29
SIGNATURES		30
EXHIBITS		

PART I Item 1. FINANCIAL STATEMENTS

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARY CONDENSED CONSOLIDATED BALANCE SHEETS AS OF

		ETS - une 30, 2010 NAUDITED)	Dec	ember 31, 2009
CURRENT ASSETS:				
Cash and cash equivalents	\$	746,848	\$	1,068,235
Accounts receivable, net of allowance				
for doubtful accounts of \$20,000 for				
2010 and 2009		1,817,284		1,776,327
Inventories		1,849,708		1,555,903
Prepaid expenses and other current				
assets		300,790		266,637
TOTAL CURRENT ASSETS		4,714,630		4,667,102
FIXED ASSETS, net of accumulated				
depreciation		853,181		580,213
OTHER ASSETS:				
License agreements, net of current				
portion		650,000		700,000
Deposits on manufacturing equipment		52,824		338,375
Deposits and other assets		36,226		29,560
-				
TOTAL ASSETS	\$	6,306,861	\$	6,315,250
- LIABILITIES AND ST	OCKHO	LDERS' EQUITY -		
CURRENT LIABILITIES:				
Accounts payable and accrued liabilities	\$	1,310,745	\$	1,906,163
Current portion of loans payable		54,852		9,600
Deferred research and development				
revenue		115,006		360,833
License fee payable		875,000		875,000
Current portion of obligations under				
capital leases		23,062		21,536
TOTAL CURRENT LIABILITIES		2,378,665		3,173,132
		· · ·		
OTHER LIABILITIES:				
Loans payable - net of current portion		214,113		14,931
Obligations under capital leases - net of				
current portion		27,347		39,273
TOTAL LIABILITIES		2,620,125		3,227,336
				, ,

COMMITMENTS AND CONTINGENCIES

STOCKHOLDERS' EQUITY:		
Preferred stock – 10,000,000 shares		
authorized, none outstanding	-	-
Common stock - \$.01 par value;		
100,000,000 shares authorized,		
62,138,151 and 61,979,901 shares		
issued and outstanding for 2010 and		
2009, respectively	621,382	619,799
Additional paid-in capital	39,586,170	39,453,522
Accumulated deficit	(36,520,816)	(36,985,407)
TOTAL STOCKHOLDERS' EQUITY	3,686,736	3,087,914
TOTAL LIABILITIES AND		
STOCKHOLDERS' EQUITY	\$ 6,306,861	\$ 6,315,250

See accompanying notes to condensed consolidated financial statements

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARY CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED)

		For the three	e ma	onths	sended			For the si	x m	onth	s ended	
	Jr	ine 30, 2010	• 1110		une 30, 2009		J	une 30, 2010			une 30, 2009)
REVENUES :				Ĩ								
Net product sales	\$	2,335,665		\$	3,051,385		\$	4,550,562		\$	5,320,801	
License and royalty		,,			- , ,					'	- , ,	
income		717,472			52,322			738,968			52,322	
R&D contracts and												
grants		696,305			269,817			1,243,328			545,999	
TOTAL REVENUES		3,749,442			3,373,524			6,532,858			5,919,122	
		, ,			, ,			, ,			, ,	
Cost of product sales		1,654,476			2,011,579			3,131,518			3,558,488	
1		, ,			, ,			, ,			, ,	
GROSS MARGIN		2,094,966			1,361,945			3,401,340			2,360,634	
		, - ,			,,			- , - ,			,,	
OPERATING												
EXPENSES:												
Research and												
development expenses	3	791,596			702,986			1,592,354			1,350,358	
Selling, general and		, , , , , , , , , , , , , , , , , , , ,			· -)))			,	
administrative												
expenses		680,014			542,449			1,341,862			1,218,262	
		1,471,610			1,245,435			2,934,216			2,568,620	
INCOME (LOSS)		, , ,			, -,)) -			,,	
FROM OPERATION	S	623,356			116,510			467,124			(207,986)
		,			-)							/
OTHER INCOME (E	XPEN [®]	SES):										
Other expense		-			(6,696)					(6,696)
Interest income		618			1,531			1,729			4,915	
Interest expense		(2,057)		(1,406)		(4,262)		(5,527)
I I I I I I I I I I I I I I I I I I I		(1,439)		(6,571)		(2,533)		(7,308)
			/		(-)	/		()	,			/
INCOME (LOSS)												
BEFORE INCOME												
TAXES		621,917			109,939			464,591			(215,294)
											(,,	/
Provision for income												
taxes		_			_			_			_	
NET INCOME												
(LOSS)	\$	621,917		\$	109,939		\$	464,591		\$	(215,294	
(2000)	Ψ	021,717		Ψ	10,,,0,		Ψ	101,071		Ψ	(210,2)	,
Basic earnings (loss)												
per share	\$	0.01		\$	0.00		\$	0.01		\$	(0.00	
Per shure	Ψ	0.01		Ψ	0.00		Ψ	0.01		Ψ	(0.00)

Diluted earnings (loss	5)							
per share	\$	0.01	\$	0.00	\$	0.01	\$ (0.00)
Weighted average								
number of shares								
outstanding, basic		62,070,736		61,944,901		62,028,450	61,944,901	
Weighted average								
number of shares								
outstanding, diluted		70,614,048		74,814,205		71,340,820	61,944,901	
See accompanying notes to condensed consolidated financial statements								
See accompanying notes to condensed consolidated financial statements								

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARY CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS FOR THE SIX MONTHS ENDED (UNAUDITED)

	Ju	ine 30, 2010		Ju	ne 30, 2009	
INCREASE (DECREASE) IN						
CASH AND CASH						
EQUIVALENTS:						
2						
CASH FLOWS FROM OPERATING ACTIVITIES:						
	\$	6 401 001		¢	6 000 220	
Cash received from customers	Ф	6,491,901		\$	6,088,328	
Cash paid to suppliers and		(6.022.455	``		(5.220.049	`
employees		(6,922,455)		(5,239,948)
Interest received		1,110)		4,915)
Interest paid		(2,204)		(5,527)
Net cash (used in) provided by		(421 (40	`		047760	
operating activities		(431,648)		847,768	
CACHELOWS FROM						
CASH FLOWS FROM INVESTING ACTIVITIES:						
Proceeds from sale of fixed assets		-			13,750	
Acquisition of fixed assets		(144,345)		(234,830)
Net cash used in investing activities		(144,345)		(221,080)
ç			,			,
CASH FLOWS FROM						
FINANCING ACTIVITIES:						
Proceeds from option exercises		20,572			-	
Proceeds from loan		250,000			29,228	
Payment of loan obligation		(5,566)		-	
Payment of capital lease obligation		(10,400)		(9,069)
Net cash provided by financing						
activities		254,606			20,159	
NET (DECREASE) INCREASE IN CASH AND CASH						
EQUIVALENTS		(321,387)		646,847	
Cash and cash equivalents -		(321,307)		0+0,0+7	
beginning of the period		1,068,235			1,212,222	
beginning of the period		1,000,255			1,212,222	
Cash and cash equivalents - end of						
the period	\$	746,848		\$	1,859,069	
the period	Ψ	740,040		Ψ	1,037,007	
RECONCILIATION OF NET LOSS T ACTIVITIES:	O NET CASH	PROVIDED F	BY (USE	ED IN) OP	ERATING	
Net income (loss)	\$	464,591		\$	(215,294	
Adjustments:	Ψ	101,371		Ψ	(213,277	,
Depreciation and amortization		148,052			191,999	
1						

	-			6,696	
	113,659			91,850	
	(40,957)		198,434	
	(293,805)		166,187	
	(34,153)		(23,178)
	52,210			74,510	
	(595,418)		(138,184)
	(245,827)		494,748	
\$	(431,648)	\$	847,768	
\$	300,000		\$	-	
onsolidat	ed financial				
	\$	(40,957 (293,805 (34,153 52,210 (595,418 (245,827 \$ (431,648	(40,957) (293,805) (34,153) 52,210 (595,418) (245,827) \$ (431,648) \$ 300,000	(40,957) (293,805) (34,153) 52,210 (595,418) (245,827) \$ (431,648) \$ \$ \$ 300,000 \$	113,659 91,850 (40,957) 198,434 (293,805) 166,187 (34,153) (23,178 52,210 74,510 (595,418) (138,184 (245,827) 494,748 \$ (431,648) \$ 847,768 \$ 300,000 \$ -

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS JUNE 30, 2010 (UNAUDITED)

NOTE 1—DESCRIPTION OF BUSINESS:

Chembio Diagnostics, Inc. (the "Company" or "Chembio") and its subsidiary, Chembio Diagnostic Systems, Inc., develop, manufacture, and market rapid diagnostic tests that detect infectious diseases. The Company's main products are three rapid tests for the detection of HIV antibodies in whole blood, serum and plasma samples, two of which were approved by the FDA in 2006; the third is sold for export only. Rapid HIV tests represented nearly 91% of the Company's product revenues in the six months ended June 30, 2010. The Company also has other rapid tests that together represented approximately 9% of sales in the first six months of 2010. The Company's products are sold to medical laboratories and hospitals, governmental and public health entities, non-governmental organizations, medical professionals and retail establishments both domestically and internationally. Chembio's products are sold under the Company's STAT PAK®, SURE CHECK® or DPP® registered trademarks, or under the private labels of its marketing partners, for example the Clearview® label owned by Alere North America, Inc. ("Alere", formerly Inverness Medical Innovations, Inc.), which is the Company's exclusive marketing partner for its rapid HIV lateral flow test products in the United States. These products employ lateral flow technologies that are proprietary and/or licensed to the Company. All of the Company's products that are currently being developed are based on its patented Dual Path Platform (DPP®), which is a unique diagnostic point-of-care platform that has certain advantages over lateral flow technology. In 2008, 2009 and the first six months of 2010, the Company completed development of its first four products that employ the DPP®, and the Company has a number of additional products under development that employ the DPP®.

NOTE 2—SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

(a) Basis of Presentation:

The consolidated interim financial information as of June 30, 2010 and for the three and six-month periods ended June 30, 2010 and 2009 have been prepared without audit, pursuant to the rules and regulations of the Securities and Exchange Commission (the "SEC"). Certain information and footnote disclosures, which are normally included in financial statements prepared in accordance with accounting principles generally accepted in the United States of America, have been condensed or omitted pursuant to such rules and regulations, although we believe that the disclosures made are adequate to provide for fair presentation. The interim financial information should be read in conjunction with the Financial Statements and the notes thereto, included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2009, previously filed with the SEC.

In the opinion of management, all adjustments (which include normal recurring adjustments) necessary to present a fair statement of the Company's consolidated financial position as of June 30, 2010, its consolidated results of operations for the three and six-month periods ended June 30, 2010 and 2009 and its cash flows for the six-month periods ended June 30, 2010 and 2009, as applicable, have been made. The interim results of operations are not necessarily indicative of the operating results for the full fiscal year or any future periods.

(b) Revenue Recognition

The Company recognizes revenue in accordance with Securities and Exchange Commission Staff Accounting Bulletin No. 104, "Revenue Recognition" ("SAB 104"). Under SAB 104, revenue is recognized when there is persuasive evidence of an arrangement, delivery has occurred or services have been rendered, the sales price is determinable, and collectability is reasonably assured. Revenue typically is recognized at time of shipment. Sales are recorded net of

discounts, rebates and returns.

For certain contracts the Company recognizes revenue from R&D contracts and grants when earned. Grants are invoiced after expenses are incurred. Revenues from projects or grants funded in advance are deferred until earned.

For certain collaborative research projects the Company recognizes revenue by defining milestones at the inception of the agreement and determining when it may be appropriate to apply the milestone method of revenue recognition.

Any projects or grants funded in advance are deferred until earned. As of June 30, 2010, an aggregate of \$115,000 of advanced revenues was unearned.

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS JUNE 30, 2010 (UNAUDITED)

(c) Inventories:

Inventories consists of the following at:

			(A	Audited)
			Dec	ember 31,
	Jun	e 30, 2010		2009
Raw materials	\$	869,670	\$	1,031,567
Work in				
process		273,909		184,081
Finished goods		706,129		340,255
-	\$	1,849,708	\$	1,555,903

(d) Earnings (Loss) Per Share:

The following weighted average number of shares was used for the computation of basic and diluted earnings (loss) per share:

	For the three	months ended	For the six months ended			
	June 30, 2010	June 30, 2009	June 30, 2010	June 30, 2009		
Basic	62,070,736	61,944,901	62,028,450	61,944,901		
Diluted	70,614,048	74,814,205	71,340,820	61,944,901		

Basic earnings (loss) per share is computed by dividing net income (loss) attributable to common stockholders by the weighted-average number of common shares outstanding for the period. Diluted income (loss) per share reflects the potential dilution from the exercise or conversion of other securities into common stock, but only if dilutive. Diluted loss per share for the six-month period ended June 30, 2009 is the same as basic loss per share, since the effects of the calculation were anti-dilutive due to the fact that the Company incurred losses for that period. The following securities, presented on a common share equivalent basis for the three-month periods ended June 30, 2010 and 2009 and the six-month period ended June 30, 2010, were included in computing diluted earnings per share; for the six month period ending June 30, 2009, these were excluded from the diluted loss per share computation:

	For the three me	onths ended	For the six months ended		
	June 30, 2010	June 30, 2009	June 30, 2010	June 30, 2009	
1999 and 2008 Plan					
Stock Options	5,704,933	4,140,554	5,683,602	3,264,033	
Other Stock Options	124,625	124,625	124,625	124,625	
Warrants	2,713,754	8,604,125	3,504,143	9,383,684	
	8,543,312	12,869,304	9,312,370	12,772,342	

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS JUNE 30, 2010 (UNAUDITED) (e) Employee Stock Option Plan:

The Company has a 1999 Stock Option Plan ("SOP") that originally covered the potential issuance of options to purchase 1,500,000 shares of Common Stock. Under the terms of the SOP, the Compensation Committee of the Company's Board is authorized to grant incentive options to key employees and to grant non-qualified options to key employees and other key individuals. The options become exercisable at such times and under such conditions as determined by the Compensation Committee. The SOP was amended at the Company's 2005 stockholders' meeting. The number of options under the SOP was increased to 3,000,000 shares of Common Stock. It was also amended to allow independent directors to be eligible for grants under the portion of the SOP concerning non-qualified options.

Effective June 3, 2008, the Company's stockholders voted to approve the 2008 Stock Incentive Plan ("SIP"), with 5,000,000 shares of Common Stock. Under the terms of the SIP, the Compensation Committee of the Company's Board has the discretion to select the persons to whom awards are to be granted. Awards can be incentive stock options, restricted stock and/or restricted stock units. The awards become vested at such times and under such conditions as determined by the Compensation Committee.

The weighted average estimated fair value, at their respective dates of grant, of stock options granted in the six-month periods ended June 30, 2010 and 2009 was \$.22 and \$.09 per share, respectively. The fair value of options at the date of grant was estimated using the Black-Scholes option pricing model. The expected volatility is based upon the historical volatility of our stock. The expected term is determined using the simplified method as permitted by SAB 107, as the Company has limited history of employee exercise of options to date.

	For the three m	onths ended	For the six months ende		
	June 30,	June 30,	June 30,	June 30,	
	2010	2009	2010	2009	
Expected term (in					
years)	n/a	4	5	4	
Expected volatility	n/a	123.81%	116.82%	123.81%	
Expected dividend					
yield	n/a	n/a	n/a	n/a	
Risk-free interest					
rate	n/a	2.98%	1.43%	1.81-1.95%	

The assumptions made in calculating the fair values of options are as follows:

The Company's results for the six-month periods ended June 30, 2010 and 2009 include share-based compensation expense totaling \$114,000 and \$92,000, respectively. Such amounts have been included in the Condensed Consolidated Statements of Operations within cost of goods sold (\$13,000 and \$9,000, respectively), research and development (\$60,000 and \$36,000, respectively) and selling, general and administrative expenses (\$41,000 and \$47,000, respectively). No income tax benefit has been recognized in the statement of operations for share-based compensation arrangements due to the history of operating losses.

Stock option compensation expense for the six-month periods ended June 30, 2010 and 2009 represents the estimated fair value of options outstanding which is being amortized on a straight-line basis over the requisite vesting period of the entire award.

CHEMBIO DIAGNOSTICS, INC. AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS JUNE 30, 2010 (UNAUDITED)

The following table provides stock option activity for the six months ended June 30, 2010:

			Ţ	Vaiabtad	Weighted			
				Weighted	Average Remaining		Aggragata	
	Number of			Average	U	I	Aggregate Intrinsic	
	Number of			ercise Price	Contractual			
Stock Options	Shares		I	per Share	Term		Value	
Outstanding at January 1,								
2009	2,416,650		\$	0.36	3.23 years	\$	-	
Impact of re-price (for accounting purposes treated as a cancellation and re-issue):								
effect as if cancelled	(1,252,750))	\$	0.48				
effect as if re-issiued	1,252,750		\$	0.13				
Granted	3,459,000		\$	0.13				
Exercised	(35,000)	\$	0.13				
Forfeited/expired /cancelled	(253,750)	\$	0.17				
Outstanding at December								
31, 2009	5,586,900		\$	0.15	3.59 years	\$	756,990	
					•			
Granted	300,000		\$	0.27				
Exercised	(158,250)	\$	0.13				
Forfeited/expired/cancelled	(97,250)	\$	0.26				
Outstanding at June 30,								
2010	5,631,400		\$	0.16	3.29 years	\$	734,925	
					-			
Exercisable at June 30,								
2010	3,064,725		\$	0.13	2.75 years	\$	377,924	
	. ,				2			

As of June 30, 2010, there was \$158,000 of net unrecognized compensation cost related to stock options that had not vested, which is expected to be recognized over a weighted average period of approximately 1.33 years. The total fair value of stock options vested during the six-month periods ended June 30, 2010 and 2009, was approximately \$125,000 and \$107,000, respectively.

(f) Geographic Information:

U.S. GAAP establishes standards for the manner in which business enterprises report information about operating segments in financial statements and requires that those enterprises report selected information. It also establishes standards for related disclosures about products and services, geographic areas, and major customers.

The Company produces only one group of similar products known collectively as "rapid medical tests". Management believes that it operates in a single business segment. Net product sales by geographic area are as follows:

	For the three months ended				For the six months ended				
	June 30, 2010			June 30, 2009	J	une 30, 2010		J	une 30, 2009
Africa	\$ 820,980		\$	999,048	\$	1,317,871		\$	1,458,785
Asia	33,457			72,458		84,511			94,599
Europe	28,178			27,087		60,632			45,772
Middle East	76,192			60,949		103,135			92,996

North				
America	1,344,134	1,252,338	2,867,771	2,171,365
South				
America	32,724	639,505		