

US Equity Research

21 May 2015

BUY

unchanged

PRICE TARGET US\$90.00

unchanged

Price (21-May) US\$51.99

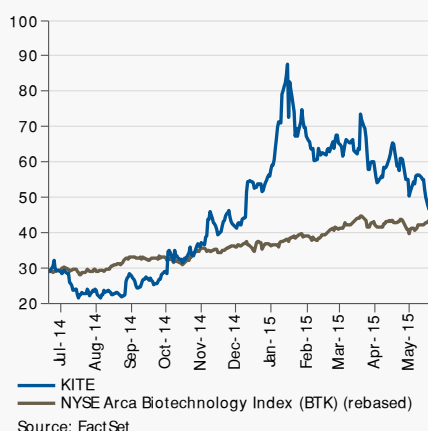
Ticker KITE-NASDAQ

52-Week Range (US\$): 21.00 - 89.21
 Avg Daily Vol (M) : 895.3
 Shares Out. (M) : 38.3
 Market Cap (US\$M): 1,993

FYE Dec	2014A	2015E	2016E
Revenue (US\$M)	0.0	2,881.0	0.0
EPS Adj&Dil (US\$)	(1.91)	(0.95)	(1.02)

Quarterly Revenue	Q1	Q2	Q3	Q4
2014A	0.0	0.0	0.0	0.0
2015E	2,881.0	0.0	0.0	0.0
2016E	-	-	-	-

Quarterly EPS Adj&Dil	Q1	Q2	Q3	Q4
2014A	(0.66)	(2.27)	(0.24)	(0.33)
2015E	(0.20)	(0.25)	(0.25)	(0.25)
2016E	-	-	-	-



Kite Pharma is focused on development of novel cancer immunotherapy using engineered autologous cell therapy (eACT).

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Company Update

Treats first patient for pivotal phase 1/2 KTE-C19 CART in NHL; expect BLA filing in 2016

KTE-C19 trial begins, first patient enrolled, positive

KITE announced treatment of its first non-Hodgkin's lymphoma (NHL) patient for the company's KTE-C19 CART therapy in a phase 1/2 clinical trial, a positive as this is the first company-sponsored study with NCI's CART construct. This trial is a single-arm, open-label, multi-center study enrolling a wide variety of NHL patients (refractory DLBCL, primary mediastinal B-cell lymphoma, and transformed follicular lymphoma), although the majority of these patients will be diffuse large B cell lymphoma (DLBCL). We believe the company is currently on track for data readout during 2016 and potential launch and commercialization by 2017. We anticipate the data to be positive, especially since proof of concept at NCI has already demonstrated a 76% ORR with some patients achieving 44 months of CR. Additionally, the company plans to initiate three more company-sponsored clinical studies with KTE-C19 in ALL, CLL, and MCL, by YE15, which we believe to be additional milestones for the company.

Proprietary manufacturing optimized to FDA standards

With recent acquisitions of manufacturing facilities in Santa Monica, CA and Amsterdam, we believe the selection, expansion, and generation of anti-CD19 CART cells is streamlined vs. prior NCI's manufacturing process without deviating too much from NCI's strategy. Although the company will use the same CAR construct and viral vector as NCI, KITE has optimized multiple manufacturing processes, such as removing human serum from the process to minimize risk of viral contamination, moving process steps from an open system to a closed system to minimize the risk of other contamination, and standardizing the viral transduction process to help eliminate processing inconsistencies, which was also eventually adopted by the NCI. Additionally, the timeline for apheresis to frozen cells is only 6 days, which allows doctors to rapidly make a decision on preparing the patient for treatment. We believe this is clinically significant for physicians since rapid decision-making is important, especially given the lengthy conditioning regimen and preparation required prior to CART cell administration.

Continued support for TCR program in solid tumors

We continue to believe the company's TCR programs for solid tumors will be interesting, with KITE currently running six TCR trials in various solid tumors (NY-ESO-1, MAGE, HPV-16, SSX2) with responses already seen by the company. KITE plans on selecting the best candidate to move forward into solid tumors, possibly in early 2016. We are optimistic on NCI / KITE's NY-ESO-1 program, with NCI's NY-ESO-1 TCR already showing an ORR of 53% (32% PR, 21% CR) in melanoma (n=19) and ORR of 67% (60% PR, 7% CR) in synovial sarcoma (n=15). We look forward for updates from the company on its own TCR programs, but believe this platform to be the future for adoptive cell therapy in solid tumors with significant upswing to KITE shares if data remains positive.

Figure 1: KITE income statement

(\$000's) [FY - DEC]	2014A	1Q15A	2Q15E	3Q15E	4Q15E	2015E	2016E	2017E	2018E	2019E	2020E
Revenues											
CAR T											
US	-	-	-	-	-	-	-	263,453	795,983	1,176,814	1,255,539
Ex-US	-	-	-	-	-	-	-	179,806	516,481	800,327	1,031,009
Ex-US royalty	-	-	-	-	-	-	-	26,971	77,472	120,049	154,651
Total revenues	-	-	-	-	-	-	-	290,423	873,455	1,296,863	1,410,191
Income Statement (\$000's)											
Collaboration revenue		2,881									
Total revenues	-	2,881	-	-	-	2,881	-	290,423	873,455	1,296,863	1,410,191
Cost of goods sold	-		-	-	-	-	-	52,691	159,197	235,363	251,108
Gross profit	-	2,881	-	-	-	2,881	-	237,733	714,259	1,061,500	1,159,083
Operating expenses											
Research and Development	23,089	9,260	9,260	9,353	9,446	37,319	38,065	47,581	59,477	74,346	92,932
SG&A	13,569	9,171	9,263	9,355	9,449	37,238	39,100	39,491	41,070	42,713	44,422
Depreciation and amortization	264					-					
Total Operating Expense	36,658	18,431	18,523	18,708	18,895	74,557	77,165	87,072	100,547	117,059	137,354
EBITDA	(36,658)	(15,550)	(18,523)	(18,708)	(18,895)	(71,676)	(77,165)	150,661	613,712	944,441	1,021,729
Operating income (EBIT)	(36,658)	(15,550)	(18,523)	(18,708)	(18,895)	(71,676)	(77,165)	150,661	613,712	944,441	1,021,729
Non-operating Interest income	358	466	1,039	987	1,009	3,501	4,070	5,284	9,763	17,522	27,184
Other income/interest expense	(6,269)	(4)									
Pre-tax income (EBT)	(42,569)	(15,088)	(17,484)	(17,721)	(17,886)	(68,174)	(73,095)	155,944	623,475	961,963	1,048,912
Provision for Income Taxes	-	-	-	-	-	-	-	57,699	230,686	355,926	388,098
Net Income	(42,569)	(15,088)	(17,484)	(17,721)	(17,886)	(68,174)	(73,095)	98,245	392,789	606,037	660,815
Preferred Dividends	1,089										
Net Income to Common Shareholders	(43,658)										
Adjustments to Net income		(8,411)	(10,807)	(11,044)	(11,209)	(41,466)	(46,387)	124,953	419,497	632,745	687,523
GAAP EPS	(\$1.91)	(0.36)	(\$0.40)	(\$0.41)	(\$0.39)	(\$1.56)	(\$1.61)	\$1.96	\$6.99	\$9.63	\$9.37
Adjusted EPS		(0.20)	(0.25)	(0.25)	(0.25)	(\$0.95)	(\$1.02)	\$2.49	\$7.46	\$10.05	\$9.75
Diluted Weighted Average Shares	22,822,204	42,466,000	43,315,320	43,748,473	45,328,815	43,714,652	45,303,231	50,188,743	56,211,392	62,956,759	70,511,570

Source: Company Reports, Canaccord Genuity estimates

Figure 2: KITE Valuation

Product	Peak Sales/Royalty (\$MM)	Year	NPV at launch	Estimated launch	Time to launch	Probability Adjustment	Current Value (\$MM)	Value / Share
KTE-C19								
US								
DLBCL US	\$691	2020	\$3,057	10/1/2017	2.4	70%	\$1,680	\$40
CLL US	\$83	2021	\$337	10/1/2018	3.4	60%	\$143	\$3
ALL US	\$195	2021	\$1,013	10/1/2018	3.4	65%	\$467	\$11
FL US	\$165	2021	\$760	10/1/2018	3.4	60%	\$323	\$8
MCL US	\$164	2021	\$755	10/2/2018	3.4	60%	\$321	\$8
US - total	\$1,298	2020	\$5,922	10/1/2018	3.4	60%	\$2,519	\$70
Ex-US								
DLBCL royalty Ex-US	\$53	2020	\$527	6/1/2018	3.0	70%	\$271	\$6
CLL royalty Ex-US	\$6	2021	\$58	6/1/2019	4.0	60%	\$23	\$1
ALL royalty Ex-US	\$15	2021	\$148	6/1/2019	4.0	65%	\$64	\$2
FL royalty Ex-US	\$13	2021	\$114	6/2/2019	4.0	60%	\$45	\$1
MCL royalty Ex-US	\$12	2021	\$113	6/3/2019	4.0	60%	\$45	\$1
Ex-US - royalty - total	\$99	2020	\$1,030	6/1/2018	3.0	60%	\$453	\$11
Total Product Value							\$3,388	\$81
Cash							\$400	\$9.5
Total Equity Value							\$3,788	\$90
Shares Outstanding (MM)							42	

Risk-Free Rate	3%
Beta	1.8
Risk Premium	5%
Discount Rate	11%

Source: Company Reports, Canaccord Genuity estimates

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Target Price / Valuation Methodology:

Kite Pharma - KITE

Our target price is \$90, based on a probability adjusted NPV valuation.

Risks to achieving Target Price / Valuation:

Kite Pharma - KITE

Although NCI is conducting a phase 1-2a trial of anti-CD19 CAR T-cell therapy, KITE's KTE-C19 trial has not begun. Any delays or significant negative results from NCI's clinical trials could negatively affect Kite's IND application and delay the timing to start their own phase 1-2 clinical trial. KITE is highly dependent on the third parties for R&D and early clinical testing of CAR and TCR product candidates. These collaborations related to the intellectual property licensed from the NIH relating to product candidates targeting the EGFRvIII antigen, the SSX2 antigen and the NY-ESO-1 antigen and from Cabaret for intellectual property relating to KTE-C19. The differences in manufacturing compared to NCI may render the product incomparable, particularly with respect to clinical trials, which could negatively affect our valuation. Although plans for manufacturing and processing is based on current approach undertaken by the NCI, the company cannot ensure that even minor changes in the product process will not result in significantly different T-cells that may not have similar efficacy or toxicity. KTE-C19 could fail in clinical studies, resulting in significant downside to our price target and shares of the stock. Kite faces significant competition from other biotechnology and pharmaceutical companies in the space of immunotherapy, including Novartis, Juno, Bluebird, Cellectis and Adaptimmune, as well as companies developing novel targeted therapies for cancer.

Distribution of Ratings:

Global Stock Ratings (as of 05/21/15)

Rating	Coverage Universe		IB Clients
	#	%	%
Buy	582	58.26%	32.13%
Hold	332	33.23%	16.57%
Sell	40	4.00%	5.00%
Speculative Buy	45	4.50%	55.56%
	999*	100.0%	

*Total includes stocks that are Under Review

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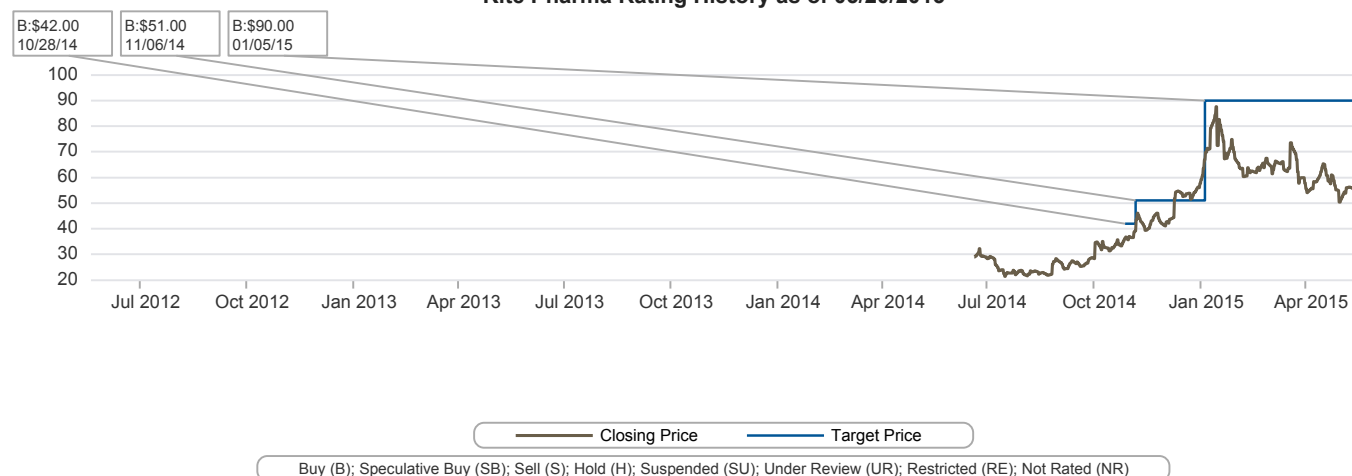
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Kite Pharma Rating History as of 05/20/2015



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