



















NPV* Matrix v2									
	Full Risk- Sharing (5% drug royalty)	NPV A	NPV B	NPV C**					
		Costs to Dx Co = \$FULL Rx revenues to Dx Co = \$5% Dx Co Rx risk = Exposed	Costs to Dx Co = \$FULL Rx revenues to Dx Co = \$5% Dx Co Rx risk = Exposed	Costs to Dx Co = \$FULL Rx revenues to Dx Co = \$5% Dx Co Rx risk = Exposed					
rios	Hybrid Risk & Fee (2% drug royalty)	NPV D	NPV E**	NPV F					
<i>le</i> Scena		Costs to Dx Co = \$PART Rx revenues to Dx Co = \$X+2% Dx Co Rx risk = Exposed	Costs to Dx Co = \$PART Rx revenues to Dx Co = \$X+2% Dx Co Rx risk = Part Exposed	Costs to Dx Co = \$PART Rx revenues to Dx Co = \$X+2% Dx Co Rx risk = Part Exposed					
/eni	Fee-for- Service (No	NPV G**	NPV H	NPV I					
Rei		Costs to Dx Co = \$0	Costs to Dx Co = \$0	Costs to Dx Co = \$0					
		Rx revenues to Dx Co = \$0	Rx revenues to Dx Co = \$0	Rx revenues to Dx Co = \$0					
	royany)	Dx Co Rx risk = Part Exposed	DX CO RX FISK = NOT Exposed	Dx Co Rx fisk = Not Exposed					
	New Test Co- Developed with New Drug		Existing Test Made/ Used to Order for New- to-Market Drug	Existing Test Rescues Drug Sales (Repositioning?)					
			<i>Relationship</i> Scenarios						
*NPV discount factor varied (10%, 12.5%, 15%) as surrogate for relative risk **Red text is most-likely revenue-relationship scenario intersection									

The Price vs Value Imbalance*								
Targeted Therapy	Annual Price	Companion Diagnostic	Test Price	Model	Value			
Xalkori (critozinib, Pfizer)	\$115,200	Vysis ALK Break Apart In Situ Hybridisation FISH Probe Kit (Abbott Molecular)	\$1,500	Turnaround (ALK positivity ~7%)	TBD			
Zelboraf (vemurafenib, Plexxikon/ Diiachi- Sankyo/ Roche)	\$56,400	Cobas 4800 BRAF V600 Mutation Test (Roche Molecular)	\$120 - \$150	Integrated (BRAF V600E mutation ~40%)	\$144M (\$213M**)			
Herceptin (trastuzumab, Genentech/ Roche)	\$70,000	HercepTest (Dako)	\$500	Turnaround (HER-2 expression score 3+ ~ 10%)	\$620M**			
* Blair, E.D., Stratton, E.K. and Kaufmann, M. 2012b. ** Projected Annual Sales 2012 based on HY12 – roche.com								











