

**American Bioanalytical, Inc.**  
**Laboratory Investigations in Molecular Biology**  
**Module II.4**

Item	Catalog Number	Quantity per pair of students	Quantity for 10 students	Source	Size	Order	Price	Notes
AmplitaQ Gold PCR Reagent Kit	N8080247	2 reactions	10 reactions	Applied Biosystems	KIT			Kit has 1000 units with buffer II and MgCl <sub>2</sub> Solution
<b>*** Amplitaq Gold Kit, shown above, no longer contains dNTP's, so we recommend the dNTP mix shown below</b>								
<b>dNTP Mix, 100mM</b>	<b>AB03240-01000</b>			<b>American Bioanalytical</b>	<b>1ML</b>	<b>1</b>	<b>\$179.53</b>	
M13 Reverse Primer (10pmol/μl)	AB09124-00050	2μl	10μl	American Bioanalytical, Inc.	50μl	1	\$140.40	
SP6 Primer (10pmol/μl)	AB13305-00100	2μl	10μl	American Bioanalytical, Inc.	100μl	1	\$24.26	
Plasmid DNA with Rvt PCR Product insert (10ng/μl)								From lab period II.4.1
Agarose LE/GPG	AB00972-00500	1g	5g	American Bioanalytical, Inc.	500g	1	\$399.00	
1X TAE Buffer Solution	AB14112-01000	200ml	1500ml	American Bioanalytical, Inc.	1 liter	1	\$81.52	This is 50X TAE, dilute to 1X
T3 Sequencing Primer (5ng/μl)	AB14168-00100	8μl	40μl	American Bioanalytical, Inc.	100μl	1	\$24.26	
DNA Sequencing Reagents	4337454	2 reactions	10 reactions	Applied Biosystems	Kit			24 reactions (sequencer dependent)
Performer Gel Filtration Columns	42453	2	10	Edge Biosystems				sequencer dependent
DNA sequencer Loading Dye, formamide or water	4311320			Applied Biosystems				sequencer dependent
Ethidium Bromide (10mg/ml)	AB00512-00010	200ml	1000ml	American Bioanalytical, Inc.	10ml	1	\$27.95	This is 10mg/ml, dilute per textbook instructions
Lambda BstEII marker (25ng/μl)	AB08086-00100	16μl	80μl	American Bioanalytical, Inc.	100μl	1	\$58.22	packed with 5X Blue Juice, mix before use
5X Blue Juice	AB01028-00001	8μl	40μl	American Bioanalytical, Inc.	1ml	1	\$58.22	
Laboratory Investigations in Molecular Biology Lab manual	PL88200-00001			American Bioanalytical	Each		\$63.95	
<b>Equipment and Accessories</b>								
<i>gel Staining/Destaining trays</i>								
<i>Agarose Gel Electrophoresis apparatus and Power supply</i>								
<i>UV Transilluminator</i>								
<i>Photography Equipment</i>								
<i>Speed vacuum concentrator</i>								