

**American Bioanalytical, Inc.**  
**Laboratory Investigations in Molecular Biology**  
**Module II.3**

Item	Catalog Number	Quantity per pair of students	Quantity for 10 students	Source	Size	Order Quantity	Price	Notes
Rvt Phage Stocks (from lab period I.2.6 or supplied by instructor)	AB12112-00020	1µl	5µl	American Bioanalytical, Inc.	20µl	1	\$140.40	
AmpliTaq Gold PCR kit	N8080247	4 reactions	20 reactions	Applied biosystems	Kit			Kit has 1000 units with buffer II and MgCl <sub>2</sub> Solution
T3 Primer (10pm/µl)	AB14166-00050	4µl	20µl	American Bioanalytical, Inc.	50µl	1	\$140.40	
T7 Primer (10pm/µl)	AB14167-00050	4µl	20µl	American Bioanalytical, Inc.	50µl	1	\$140.40	
Qiaquick PCR Purification Kit	28016			Qiagen	KIT			
Buffer PB	part of kit, above	1000µl	5000µl	Qiagen				
Qiaquick columns	part of kit, above	4	20	Qiagen				
Buffer PE	part of kit, above	3ml	15ml	Qiagen				
1X TE, pH 8.0	part of kit, above	120µl	600µl	Qiagen				
Agarose LE/GPG	AB00972-00500	2g	10g	American Bioanalytical, Inc.	500g	1	\$399.00	
1X TAE Buffer solution	AB14112-01000	600ml	3000ml	American Bioanalytical, Inc.	1 liter	1	\$81.52	This is 50X TAE, dilute to 1X
Ethidium Bromide (10mg/ml)	AB00512-00010	200ml	1000ml	American Bioanalytical, Inc.	10ml	1	\$27.95	thThis is 10mg/ml stock solution, dilute per textbook instructions
5X Blue Juice Loading Dye	AB01028-00001	50µl	250µl	American Bioanalytical, Inc.	1ml	1	\$58.22	
Lambda BstEII marker (25ng/µl)	AB08086-00100	25µl	125µl	American Bioanalytical, Inc.	100µl	1	\$58.22	
Qiagen pDrive Cloning Kit	231224			Qiagen	KIT			
2X Ligation Master Mix	part of kit, above	10ml	50ml	Qiagen				
pDrive Plasmid (25ng)	part of kit, above	2ng	10ng	Qiagen				
EZ Competent Cells	part of kit, above	100µl	500µl	Qiagen				
LB Ampicillin Plates with X-GAL and IPTG								
LB	3002-092			Qbiogene	125g			
Ampicillin Solution (50mg/ml)	AB00117-00025			American Bioanalytical, Inc.	25ml	1	\$46.03	
X-GAL Solution (250mg/ml)	AB15088-00010			American Bioanalytical, Inc.	10ml	1	\$145.86	
SOC Media	3031-012			Qbiogene	227g			use per textbook instructions
L Broth plus Ampicillin								
LB	3002-092			Qbiogene	125g			
Ampicillin (50mg/ml)	AB00117-00025			American Bioanalytical, Inc.	25ml	1	\$46.03	
Qiagen Miniprep Kit (Plasmid)	27106			Qiagen	Kit			
Qiaprep Column	part of kit, above	1	5	Qiagen				
Buffer P1	part of kit, above	500µl	2500µl	Qiagen				
Buffer P2	part of kit, above	500µl	2500µl	Qiagen				

Buffer N3	part of kit, above	700µl	3500µl	Qiagen				
Buffer PE	part of kit, above	1.5ml	7.5ml	Qiagen				
Buffer EB	part of kit, above	100µl	500µl	Qiagen				
Ethidium Bromide (10mg/ml)	AB00512-00010	as required	as required	American Bioanalytical, Inc.	10ml	1	\$27.95	This is 10mg/ml stock, dilute per textbook instructions
Laboratory Investigations in Molecular Biology Lab manual	PL88200-00001			American Bioanalytical	Each		\$63.95	
<b>Equipment and Accessories</b>								
<i>Agarose Gel Apparatus</i>								
<i>Staining/De staining tray</i>								
<i>UV Transilluminator</i>								
<i>DNA Photography apparatus</i>								
<i>Sterile Loops</i>		2	10					