

American Bioanalytical, Inc.
Laboratory Investigations in Molecular Biology
Module IV.1

Item	Catalog Number	Quantity per pair of students	Quantity for 10 students	Source	Size	Order	Price	Notes
ZAP cDNA Synthesis Kit	200403			Stratagene	Kit			
Lambda ZAP II XR Pre-Digested Vector	part of kit above							
Host Strain (XL1 Blue MRF)	239614			Stratagene	Kit			
Gigapack Gold Packaging Extract	200203			Stratagene	Kit			
Poly A+ mRNA (Mouse Liver) (cDNA from Project III.1.2, step 20 or supplied)	AB10063-00001	637µl (1 tube)	3185µl (5 tubes)	American Bioanalytical, Inc.	pack of 5 tubes	1	\$842.40	
Phenol, Buffered pH 7.0	AB01618-00500	200µl	1000µl	American Bioanalytical, Inc.	500ml	1	\$110.68	
CHISAM (chloroform:isoamyl alcohol, 24:1)	AB02345-00500	300µl	1500µ	American Bioanalytical, Inc.	500ml	1	\$44.34	Textbook Typo
DEPC-Treated Water, RNase-Free	AB02128-00500	32.5µl	162.5µl	American Bioanalytical, Inc.	500ml	1	\$30.99	
Phase Lock Light Tubes	955154037	5	20	Eppendorf	pack			package of 200
3M NaOAC, pH 5.2	AB13168-01000	20µl	100µl	American Bioanalytical, Inc.	1 liter	1	\$32.52	
100% Ethanol (DNase,RNase Free)	AB00515-00500	400µl	2000µl	American Bioanalytical, Inc.	500ml	1	\$66.39	
70% Ethanol, Rnase Free, DEPC Treated	AB04010-00500	500µl	2500µl	American Bioanalytical, Inc.	500ml	1	\$56.00	
Bromophenol Blue	AB01093-00010	5µl	25µl	American Bioanalytical, Inc.	10g	1	\$72.08	This powder needs to be made into a 1% Solution, see textbook instructions
XL-1 BLUE MRF Plating cells	239614	400µl	2000µl	Stratagene	Kit	1		
Chromospin-400 spin colum	636076	1	5	Clontech	pack	1		
Millipore membrane, 45mm, 0.45µm, Type VS	VSWP04500			Millipore	pack	1		
NZY Agar Plates	3007-022			Qbiogene	pack	1		
LBMM Medium	3002-412	50ml	250ml	Qbiogene	pack	1		
10mM MgSO4	AB09013-00100	10ml	50ml	American Bioanalytical, Inc.	100ml	1	\$31.54	This is 1M, dilute to 10mM before use.
0.5% IPTG	AB07022-00050	30µl	150µl	American Bioanalytical, Inc.	50ml	1	\$145.64	
NZY Top Agarose	AB00972-00500	6ml	30ml	American Bioanalytical, Inc.	500g	1	\$399.00	Agarose LE/GPG to make NZY top Agarose in NZY Medium per textbook instruction
NZY Medium	3007-022			Qbiogene	237g			for use with Agarose above
X-GAL, (250mg/ml) in DMF	AB15088-00010	150µl	750µl	American Bioanalytical, Inc.	10ml	1	\$145.86	
SM Phage Storage Buffer	AB13304-01000	1.1ml	5.5ml	American Bioanalytical, Inc.	1 liter	1	\$55.87	
Chloroform	AB00350-0500	20µl	100µl	American Bioanalytical, Inc.	500ml	1	\$23.75	
LB Tetracycline Plates								make to textbook directions with LB Agar, Miller, and tetracycline (5mg/ml), See Item below

LB Agar Miller	244520			Difco/BD Biosciences	500g	1		Difco is now BD Biosciences(old Difco Number 0445-17)
Tetracycline (5mg/ml)	AB14227-00010	75µl	375µl	American Bioanalytical, Inc.	10ml	1	\$22.53	
XL-1 BLUE MRF	239614			Stratagene	Kit	1		Part of Kit used above
Laboratory Investigations in Molecular Biology Lab manual	PL88200-00001			American Bioanalytical	Each		\$63.95	
Equipmant and Accessories								
<i>Flame Drawn pasteur Pipette</i>		2	10					
<i>Nanofuge</i>								
<i>Microcentrifuge</i>								
<i>Heat Block</i>								