

**American Bioanalytical, Inc.**  
**Laboratory Investigations in Molecular Biology**  
**Module IV.2**

Item	Catalog Number	Quantity per pair of students	Quantity for 10 students	Source	Size	Order	Price	Notes
Amplitaq Gold PCR Kit	N8080247	5 reactions	10 reactions	Applied Biosystems	kit	1		Contains 1000 units, with Buffer II, and MgCL2 Solution
T3 Primer (10pmol/μl)	AB14166-00050	4μl	20μl	American Bioanalytical, Inc.	50μl	1	\$140.40	
Ethidium Bromide Staining Solution (10mg/ml)	AB00512-00010			American Bioanalytical, Inc.	10ml	1	\$27.95	This is 10mg/ml stock solution, dilute to textbook instructions
T7 Primer (10pmol/μl)	AB14167-00050	4μl	20μl	American Bioanalytical, Inc.	50μl	1	\$140.40	
Ttr Forward Primer (10pmol/μl)	AB14164-00050	1μl	5μl	American Bioanalytical, Inc.	50μl	1	\$140.40	
Ttr Reverse Primer (10pmol/μl)	AB14165-00050	1μl	5μl	American Bioanalytical, Inc.	50μl	1	\$140.40	
1X TAE Buffer Solution	AB14112-01000	600ml	3000ml	American Bioanalytical, Inc.	1 liter	1	\$81.52	This is 50X TAE, dilute to 1X before use
5X Blue Juice Loading Dye	AB01028-00001	15μl	75μl	American Bioanalytical, Inc.	1ml	1	\$58.22	
100 bp Ladder in BJ (50μg/μl)	AB03142-00060	10μl	50μl	American Bioanalytical, Inc.	60μl	1	\$58.22	Blue Juice supplied, mix just before use
Lambda BstEII Marker in BJ (25ng/μl)	AB08086-00100	6μl	30μl	American Bioanalytical, Inc.	100μl	1	\$58.22	Blue Juice supplied, mix just before use
Mouse Liver cDNA Library	AB09089-01000		1 ml	American Bioanalytical, Inc.	1ml	1	\$140.40	Drop Shipped. Note: must be diluted 1:10 with SM Phage Storage Buffer AB13304-01000 shown below.
SM Phage Storage buffer	AB13304-01000	1ml	10ml	American Bioanalytical, Inc.	1liter	1	\$55.87	
Agarose LE/GPG	AB00972-00500	1.2g	6g	American Bioanalytical, Inc.	500g	1	\$399.00	
Laboratory Investigations in Molecular Biology Lab manual	PL88200-00001			American Bioanalytical, Inc	Each		\$63.95	
<b>Equipment and Accessories</b>								
<i>Electrophoresis Apparatus and power supply</i>								
<i>UV Transilluminator</i>								
<i>UV Photography device</i>								
<i>Spatula</i>								
<i>Heat Block</i>								
<i>Thermal Cyclor</i>								
<i>Vortex Mixer</i>								
<i>Incubator</i>								
<i>Nanofuge</i>								

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