

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

Item	Catalog Number	Quantity per pair of students	Quantity for 10 students	Source	Size	Order Quantity	Price	Notes
Frozen Mouse liver tissue	AB09084-02000	1000mg	5000mg	American Bioanalytical	2000mg	3	\$181.96	
RNeasy MAXI RNA Isolation Kit	75162			Qiagen	Kit			
Buffer RLT (contains 2-mercapto)	part of RNeasy kit above	15ml	75ml	Qiagen				
RNA Columnn	part of RNeasy kit above	1	5	Qiagen				
Buffer RW1	part of RNeasy kit above	15ml	75ml	Qiagen				
Wash Buffer RPE plus Ethanol	part of RNeasy kit above	4ml	20ml	Qiagen				
Ethanol for above	AB00515-00500	16ml	80ml	American Bioanalytical	500ml	1	\$66.39	
70% Ethanol(DEPC Treated)	AB04010-00500	25ml	125ml	American Bioanalytical	500ml	1	\$56.00	
RNase Free Water	AB02128-00010	2.5ml	12.5ml	American Bioanalytical	10x1ml	2	\$10.99	
3M Sodium Acetate pH 7.0	AB13169-01000	45µl	225µl	American Bioanalytical	1 liter	1	\$32.50	
Ice-Cold Ethanol 100%	AB00515-00500	2ml	10ml	American Bioanalytical	500ml		\$66.39	
DEPC Treated Water	AB02128-00010	2ml	10ml	American Bioanalytical	10x1ml	2	\$10.99	
Mouse Liver total RNA (optional) (250µl, containing 400µg)	AB09086-02000	250µl	1250µl	American Bioanalytical	2000µl	1	\$842.40	
Micro Poly (A) Purist Kit				AMBION				
<i>2X binding Solution</i>	part of kit	250µl	1250µl	AMBION				
<i>Wash Solution 1</i>	part of kit	1ml	5ml	AMBION				
<i>RNA Spin Column</i>	part of kit	1	5	AMBION				
<i>Wash Solution II</i>	part of kit	1ml	5ml	AMBION				
<i>Elution Buffer (@70°C)(RNA Storage Buffer)</i>	part of kit	200µl	1000µl	AMBION				
<i>Glycogen Carrier</i>	part of kit	2µl	10µl	AMBION				
<i>5M Ammonium Acetate</i>	part of kit	20µl	100µl	AMBION				
Northern Loading Dye	AB10059-00001	30µl	150µl	American Bioanalytical	1ml	1	\$39.30	
Mouse Spleen Poly A+ RNA in Northern gel Loading Dye (0.1µg in 15µl)	AB09092-00100	15µl	75µl	American Bioanalytical	100µl	1	\$1,111.97	
Agarose GPG/LE	AB00972-00100	1g	5g	American Bioanalytical	100g	1	\$125.28	
1X MOPS/EDTA Buffer	AB09019-01000	600ml	4000ml	American Bioanalytical	1 liter	1	\$32.61	This is 10X, dilute to 1X
Formaldehyde 37%	AB00563-00100	5.4ml	27ml	American Bioanalytical	100ml	1	\$24.21	
Ethidium Bromide Staining Solution 10m	AB00512-00010			American Bioanalytical	10ml	1	\$27.95	This is 10mg/ml, dilute to textbook specifications
Laboratory Investigations in Molecular Biology Lab manual	PL88200-00001			American Bioanalytical	Each		\$63.95	
Equipment and Accessories								
<i>Water Destain bath</i>				see appendix				
<i>Gel Photography Setup</i>								
<i>Ultrasonic Tissue Homogenizer</i>								
<i>Rnase-Free Centrifuge tubes, tips, and pipettes</i>								

<i>Gel Electrophoresis Apparatus, power supply,</i>								
<i>Flame-Drawn pasteur Pipettes</i>								
<i>Nanofuge</i>								
<i>Microfuge</i>								
<i>Tabletop Centrifuge</i>								