

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

Item	Catalog Number	Quantity per pair of students	Quantity for 10 students	Source	Size	Order quantity	Price	Notes
PCR Reagents (Amplitaq Gold Kit)***	N8080247	1 reaction	5 reactions	Applied Biosystems	Kit			1,000 units with buffer and MgCL12 Solution
*** Amplitaq Gold Kit, shown above, no longer contains dNTP's, so we recommend the dNTP mix shown below								
dNTP Mix, 100mM	AB03240-01000			American Bioanalytical	1ML	1	\$179.53	
Ttr Forward Primer 10pm/μl	AB14164-00050	1μl	5μl	American Bioanalytical	50μl	1	\$140.40	
Ttr Reverse Primer 10pm/μl	AB14165-00050	1μl	5μl	American Bioanalytical	50μl	1	\$140.40	
Ttr pre-biotinylated Oligo Probe 2ng/μl	AB01668-00060	10μl	50μl	American Bioanalytical	60μl	1	\$48.52	
Mouse Genomic DNA 500ng/μl w/ Blue Juice	AB09085-00100	10μl	50μl	American Bioanalytical	100μl	1	\$38.88	
Agarose GPG/LE	AB00972-00500	1g	5g	American Bioanalytical	500g	1	\$399.00	
1X TAE Buffer solution	AB14112-01000	500ml	2500ml	American Bioanalytical	1 liter	1	\$81.52	This is 50X TAE, dilute to 1X
Ethidium Bromide DNA Stain	AB00512-00010	see note	see note	American Bioanalytical	10 ml	1	\$27.95	This is 10mg/ml stock, consult appendix II for proper dilution
1X TE Buffer solution	AB14131-01000	100μl	500μl	American Bioanalytical	1 liter	1	\$72.78	This is 100X TAE, dilute to 1X
5X Blue Juice Loading Dye	AB01028-00001	5μl	25μl	American Bioanalytical	1ml	1	\$58.22	
100bp DNA Ladder (with 5X Blue Juice)	AB03142-00060	10μl	50μl	American Bioanalytical	60μl	1	\$58.22	Mix Ladder and Blue Juice just before use
Southern Depurination Solution	AB06037-00500	100ml	500ml	American Bioanalytical	500ml	1	\$39.28	This is concentrated HCL, dilute to 0.25N
Southern Neutralization Solution	AB13294-01000	100ml	500ml	American Bioanalytical	1 liter	1	\$37.91	
ddH2O Sterile	AB02120-01000	250ml	1250ml	American Bioanalytical	1 liter	1	\$15.88	
10X SSC Buffer Solution	AB13156-01000	500ml	2500ml	American Bioanalytical	1 liter	1	\$13.14	This is 20X SSC, dilute to 10X
6X SSC	AB13156-01000	200ml	1000ml	American Bioanalytical	1 liter			This is 20X SSC, dilute to 6X
Ttr Hybridization Solution	AB14163-01000	200ml	1000ml	American Bioanalytical	1 liter	1	\$38.88	
Oligo Southern Wash 1	AB13292-01000	200ml	1000ml	American Bioanalytical	1 liter	1	\$60.11	A/K/A Genomic Southern Wash 1
Oligo Southern Wash II	AB13293-01000	200ml	1000ml	American Bioanalytical	1 liter	1	\$83.76	A/K/A Genomic Southern Wash II
Phototope Blocking Solution	AB01066-01000	100ml	500ml	American Bioanalytical	1 liter	1	\$37.67	

Photope Detection Wash Solution 1	AB01066-01000	100ml	500ml	American Bioanalytical	1 liter			this is Phototope Blocking Solution, dilute 1:10 to make Phototope Detection Wash Solution 1
Phototope Detection Wash Solution II	AB02049-01000	100ml	500ml	American Bioanalytical	1 liter	1	\$43.74	
Phototope Detection Kit	N7020			New England Biolabs	Kit			
Streptavidin Solution	part of NEB Phototope Kit	15ml	75ml	New England Biolabs				This is part of the NEB Phototype Kit
Biotinylated Alkaline Phosphatase Solution	part of NEB Phototope Kit	15ml	75ml	New England Biolabs				This is part of the NEB Phototype Kit
Photope Detection Mix	part of NEB Phototope Kit			New England Biolabs				This is part of the NEB Phototype Kit
Laboratory Investigations in Molecular Biology Lab manual	PL88200-00001			American Bioanalytical	Each		\$63.95	
Equipment and accessories								
<i>GBX Developer (Kodak)</i>								
<i>GBX Fixer (Kodak)</i>								
<i>PCR Thermocycler</i>								
<i>Agarose gel Electrophoresis Apparatus</i>								
<i>DNA gel photography unit</i>								
<i>Nylon Transfer Membrane Hybond N+ (30x50cm)</i>	RPN3050B			Amersham GE Healthcare	Pk			5/sheets/pk
<i>Whatman 3MM paper 3" cut paper towels</i>	GB004			Whatman, Inc				
<i>creative blot Weight (500g)</i>								
<i>Plastic Containers (6)</i>								
<i>UV Crosslinker or baking oven (80°C)</i>								
<i>Development folder (or plastic wrap)</i>								
<i>X-Ray cassette</i>								
<i>X-Ray Film (Kodak BioMax)</i>								
<i>Darkroom Access</i>								
<i>Pencil</i>								
<i>marking pen</i>								
<i>Spatula</i>								
<i>Plastic sealable hybridization bags</i>								
<i>Lid Locks</i>								
<i>Heat Block or water bath</i>								
<i>Hybridization Oven</i>								