University of Alabama NEBnow®
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Tray	NEB #	Buffers	Size	Quantity Available
16	B7024S	Gel Loading Dye, Purple (6X)	4 ml	2
16	B0202S	T4 DNA Ligase Reaction Buffer	5 ml	1
Tray	**NEB #**	**DNA Assembly, Cloning and Mutagenesis Kits**	**Size**	**Quantity Available**
7	E5520S	NEBuilder® HiFi DNA Assembly Cloning Kit	10 reactions	1
7	E2621S	NEBuilder® HiFi DNA Assembly Master Mix	10 reactions	2
14	E0552S	Q5® Site-Directed Mutagenesis Kit (Without Competent Cells)	10 reactions	1
Tray	**NEB #**	**DNA Modifying Enzymes and Cloning Technologies**	**Size**	**Quantity Available**
8	M0303S	DNase I (RNase-free)	1,000 units	3
5	M2200S	Quick Ligation™ Kit	30 reactions	3
6	M0202S	T4 DNA Ligase	20,000 units	2
6	M0202L	T4 DNA Ligase	100,000 units	1
6	M0202T	T4 DNA Ligase	20,000 units	3
6	M0201S	T4 Polynucleotide Kinase	500 units	2
Tray	**NEB #**	**Markers & Ladders**	**Size**	**Quantity Available**
9	N3232S	1 kb DNA Ladder	200 gel lanes (0.2 ml)	1
10	N0551S	Quick-Load® Purple 100 bp DNA Ladder	125 gel lanes (1.25 ml)	out of stock
Tray	**NEB #**	**Nucleic Acid Purification**	**Size**	**Quantity Available**
SH 3	T2040S	Monarch® Spin RNA Cleanup Kit (50 µg)	10 preps	1
SH 1	T1120S	Monarch® Spin DNA Gel Extraction Kit	50 preps	1
SH 1	T1130S	Monarch® Spin PCR & DNA Cleanup Kit (5 µg)	50 preps	1
SH 2	T2110S	Monarch® Spin RNA Isolation Kit (Mini)	50 preps	1
Tray	**NEB #**	**PCR, Polymerases & Amplification Technologies**	**Size**	**Quantity Available**
11	N0447S	Deoxynucleotide (dNTP) Solution Mix	8 µmol	3
15	E5200S	LongAmp® *Taq* PCR Kit	100 reactions (50 µl)	1
15	E3005S	Luna® Universal One-Step RT-qPCR Kit	200 reactions	3
15	M3003S	Luna® Universal qPCR Master Mix	200 reactions	2
12	M0481S	One*Taq*® Hot Start DNA Polymerase	200 units	1
12	M0486S	One*Taq*® Quick-Load® 2X Master Mix with Standard Buffer	100 reactions (50 µl)	1
13	M0530S	Phusion™ High-Fidelity DNA Polymerase	100 units	4
8	M0368S	ProtoScript® II Reverse Transcriptase	4,000 units	1
14	M0494S	Q5® Hot Start High-Fidelity 2X Master Mix	100 reactions	2
13	M0491S	Q5® High-Fidelity DNA Polymerase	100 units	3

13	M0491L	Q5® High-Fidelity DNA Polymerase	500 units	1
14	M0493S	Q5® Hot Start High-Fidelity DNA Polymerase	100 units	3
8	M0314S	RNase Inhibitor, Murine	3,000 units	1
12	M0270L	*Taq* 2X Master Mix	500 reactions (50 µl)	2
12	M0273S	*Taq* DNA Polymerase with Standard *Taq* Buffer	400 units	2
Tray	**NEB #**	**Protein Tools**	**Size**	**Quantity Available**
16	P8107S	Proteinase K, Molecular Biology Grade	2 ml	1
Tray	**NEB #**	**Restriction Endonucleases**	**Size**	**Quantity Available**
1	R3552S	AgeI-HF®	300 units	out of stock
1	R3136S	BamHI-HF®	10,000 units	out of stock
1	R0144S	BglII	2,000 units	1
2	R3101S	EcoRI-HF®	10,000 units	1
2	R3104S	HindIII-HF®	10,000 units	2
2	R3142S	KpnI-HF®	4,000 units	1
3	R3131S	NheI-HF®	1,000 units	1
3	R3189S	NotI-HF®	500 units	1
4	R3156S	SacI-HF®	2,000 units	1
4	R0145S	XbaI	3,000 units	2
4	R0146S	XhoI	5,000 units	2
Tray	**NEB #**	**RNA Synthesis and Modification**	**Size**	**Quantity Available**
8	M0251S	T7 RNA Polymerase	5,000 units	4

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