UMass Medical School ASC
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Tray	NEB #	DNA Assembly, Cloning and Mutagenesis Kits	Size	Quantity Available
9	E2621S	NEBuilder® HiFi DNA Assembly Master Mix	10 reactions	1
Tray	**NEB #**	**DNA Modifying Enzymes and Cloning Technologies**	**Size**	**Quantity Available**
9	M0303S	DNase I (RNase-free)	1,000 units	2
	M0525S	Quick CIP	1,000 units	1
7	M2200S	Quick Ligation™ Kit	30 reactions	2
8	M0202S	T4 DNA Ligase	20,000 units	1
8	M0202L	T4 DNA Ligase	100,000 units	2
8	M0201S	T4 Polynucleotide Kinase	500 units	1
Tray	**NEB #**	**Markers & Ladders**	**Size**	**Quantity Available**
10	N3231S	100 bp DNA Ladder	100 gel lanes (0.1 ml)	1
10	N3231L	100 bp DNA Ladder	500 gel lanes (0.5 ml)	1
11	N0551S	Quick-Load® Purple 100 bp DNA Ladder	125 gel lanes (1.25 ml)	2
Tray	**NEB #**	**PCR, Polymerases & Amplification Technologies**	**Size**	**Quantity Available**
12	N0447S	Deoxynucleotide (dNTP) Solution Mix	8 µmol	2
12	N0446S	Deoxynucleotide (dNTP) Solution Set	25 µmol	1
7	M0210S	DNA Polymerase I, Large (Klenow) Fragment	200 units	1
15	M3003S	Luna® Universal qPCR Master Mix	200 reactions	2
14	M0541S	NEBNext® High-Fidelity 2X PCR Master Mix	50 reactions	1
14	M0531S	Phusion™ High-Fidelity PCR Master Mix with HF Buffer	100 reactions (50 µl)	2
14	M0530S	Phusion™ High-Fidelity DNA Polymerase	100 units	1
13	M0492S	Q5® High-Fidelity 2X Master Mix	100 reactions (50 µl)	2
13	M0491S	Q5® High-Fidelity DNA Polymerase	100 units	4
13	M0491L	Q5® High-Fidelity DNA Polymerase	500 units	3
13	M0493S	Q5® Hot Start High-Fidelity DNA Polymerase	100 units	1
	M0267L	*Taq* DNA Polymerase with ThermoPol® Buffer	2,000 units	1
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	1
1	R0174S	AvrII	100 units	2
	R3136S	BamHI-HF®	10,000 units	1
2	R0176S	DpnI	1,000 units	3

2	R3101S	EcoRI-HF®	10,000 units	1
6	R3131S	NheI-HF®	1,000 units	2
4	R3189S	NotI-HF®	500 units	2
4	R3189L	NotI-HF®	2,500 units	1
4	R0547S	PacI	250 units	1
4	R3150S	PvuI-HF®	500 units	1
5	R0157S	SacII	2,000 units	1
5	R3138S	SalI-HF®	2,000 units	3
5	R0141S	SmaI	2,000 units	2
3	R3133S	SpeI-HF®	500 units	1
6	R0145S	XbaI	3,000 units	3
6	R0146S	XhoI	5,000 units	1

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