



To enable success of our customers  
Together to make a healthier and brighter world



# Life Science

## Reagent **Brochure**

### Yeasen Biotechnology

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# Yeasen Biotechnology

Focusing on the core raw materials of the upstream life science industry, Yeasen Biotechnology is a high-tech biotechnology engaged in the R&D, production and sales of three major categories biological reagents: molecular, protein and cell. The core product covers qPCR, NGS, reverse transcription, nucleic acid extraction and purification, PCR, molecular cloning, in vitro transcription, antibody, protein purification, protein analysis, recombinant protein, cell analysis, cell culture, cell transfection, reporter gene detection and so on. The reagent from Yeasen are widely used in the fields of life science research, diagnostic detection and biopharmaceuticals.



## Cutting-Edge Technology

- Directed evolution and rational design of enzymes
- Protein High Density Fermentation
- High-affinity monoclonal antibody
- Molecular diagnostic platform
- NGS Library preparation platform
- mRNAtools manufacture plant



## Products Category

- High quality molecular enzymes
- Molecular IVD reagents including PCR/LAMP etc.
- NGS library preparation kit
- mRNA vaccine related raw materials
- Life science reagents (molecular biology, cell biology, protein and immunity)



## Company Size

- 1000+ employees
- 40000m<sup>2</sup> area for R&D, Manufacture and Quality control
- 20,000+ Companies & Labs
- 47000 + IF



## Honorary & Certification

- National High-tech Enterprise
- ISO 13485 Certification
- Authorized patents
- Registered trademarks
- Software copyright



# Yeasen Biotechnology

## Catalog

- Molecular Biology **05**
- NGS Library Prep **07**
- Protein & Immunity **09**
- Cell Biology **11**
- mRNA-Based Therapy **13**

## Molecular Biology

### PCR

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
High Fidelity PCR	2×Hieff Canace™ Plus PCR Master Mix (With Dye)	10154ES03	1 mL	100	<b>90</b>
		10154ES08	5×1 mL	280	<b>252</b>
Conventional PCR	2×Hieff™ PCR Master Mix (With Dye)	10102ES03	1 mL	15	<b>14</b>
		10102ES08	5×1 mL	65	<b>59</b>
	2×Hieff™ PCR Master Mix (No Dye)	10103ES03	1 mL	15	<b>14</b>
		10103ES08	5×1 mL	65	<b>59</b>
Fast PCR	2×Hieff™ Ultra-Rapid HotStart PCR Master Mix (with Dye)	10157ES03	1 mL	40	<b>36</b>
Direct PCR	Mouse Tissue Direct PCR Kit (With Dye)	10185ES50	50 T	65	<b>59</b>
		10185ES70	200 T	235	<b>212</b>
dNTP	dNTP Set Solution (dATP, dCTP, dTTP, dGTP, 100 mM each)	10122ES74	4×400 µL	95	<b>86</b>
		10125ES80	1 mL	495	<b>446</b>
	10125ES86	25 mL	12375	<b>11138</b>	
	dUTP Solution (100 mM)	10128ES74	400 µL	50	<b>45</b>
10128ES80		1 mL	120	<b>108</b>	

### Cloning

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Seamless Cloning	Hieff Clone™ Universal One Step Cloning Kit	10922ES20	20 T	205	<b>185</b>
		10922ES50	50 T	345	<b>311</b>
TOPO Cloning	Hieff Clone™ Zero TOPO-TA Cloning Kit	10907ES20	20 T	235	<b>212</b>
Ligase		10300ES80	1000 U	55	<b>50</b>
Competent Cell	TOP10 Chemically Competent Cell Top10	11801ES80	10×100 µL	340	<b>306</b>
		11801ES92	100×100 µL	2550	<b>2295</b>
	DH5α Chemically Competent Cell DH5α	11802ES80	10×100 µL	115	<b>104</b>
		11802ES92	100×100 µL	860	<b>774</b>
	DH5α Fast Chemically Competent Cell F	11803ES80	10×100 µL	130	<b>117</b>
BL21 (DE3) Chemically Competent Cell BL21	11804ES80	10×100 µL	335	<b>302</b>	

### Nucleic Acid Electrophoresis

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Stain	YeaRed Nucleic Acid Gel Stain (10,000× in Water)	10202ES30	30 µL	15	<b>14</b>
		10202ES76	500 µL	130	<b>117</b>
Agarose	Agarose	10208ES60	100 g	220	<b>198</b>
		10208ES76	500 g	990	<b>891</b>
Marker	GoldBand DL2, 000 DNA Marker	10501ES60	100 T	40	<b>36</b>
		10501ES80	10×100 T	280	<b>252</b>
	GoldBand 5000 DNA Marker	10504ES60	100 T	40	<b>36</b>
		10504ES80	10×100 T	280	<b>252</b>
	GoldBand 100bp DNA ladder	10507ES60	100 T	50	<b>45</b>
		10507ES80	10×100 T	350	<b>315</b>
GoldBand 1kb DNA ladder	10510ES60	100T	45	<b>41</b>	
	10510ES80	10×100T	315	<b>284</b>	

### Reverse Transcription

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Individual Random Primers/ Oligo (dT) 18 Primer	Hifair™ II 1st Strand cDNA Synthesis Kit (gDNA digester plus)	11121ES60	100 T	330	<b>297</b>
Random Primers/ Oligo (dT)18 Primer in the Mix	Hifair™ III 1st Strand cDNA Synthesis SuperMix for qPCR(gDNA digester plus)	11141ES10	10 T	25	<b>23</b>
		11141ES60	100 T	230	<b>207</b>
For miRNA	Hifair™ miRNA 1st Strand cDNA Synthesis Kit (poly A)	11148ES10	10 T	55	<b>50</b>
		11148ES50	50 T	235	<b>212</b>
Reverse Transcriptase	Hifair™ V Reverse Transcriptase	11300ES92	10000 U	380	<b>342</b>
		11300ES93	5x10000 U	1530	<b>1377</b>

### qPCR

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
For DNA, Dye-Based, High Throughput	Hieff UNICON™ Universal Blue qPCR SYBR Master Mix	11184ES08	5×1 mL	395	<b>356</b>
For cDNA from miRNA, Dye-Based	Hieff™ miRNA Universal qPCR SYBR Master Mix (poly A)	11171ES03	1 mL	35	<b>32</b>
		11171ES08	5 mL	150	<b>135</b>
For DNA, Probe-Based	Hieff Unicon™ qPCR TaqMan Probe Master Mix	11205ES03	1 mL	65	<b>59</b>
		11205ES08	5 mL	205	<b>185</b>
For DNA, Multiplex & Probe-Based	Hieff Unicon™ Universal TaqMan multiplex qPCR master mix	11211ES03	1 mL	95	<b>86</b>
		11211ES08	5×1 mL	435	<b>392</b>
For RNA Template	Hifair™ V Multiplex One Step RT-qPCR Probe Kit (UDG Plus)	13747ES50	50 T	180	<b>162</b>
		13747ES60	100 T	320	<b>288</b>

### Isothermal Amplification

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Dye Assay	RT-LAMP Dye Assay Kit (UDGplus)	13762ES60	100 T	320	<b>288</b>
Polymerase	Hieff™ Bst Plus DNA Polymerase (40 U/µL)	14402ES92	8000 U	55	<b>50</b>
		14402ES97	40000 U	235	<b>212</b>

### Antibiotics

Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Ampicillin, Sodium Salt	60203ES10	10 g	75	<b>68</b>
Chloramphenicol, USP Grade	60205ES08	5 g	25	<b>23</b>
Kanamycin Sulfate	60206ES10	10 g	135	<b>122</b>
Neomycin Sulfate	60207ES25	25g	35	<b>32</b>
Puromycin (Solution 10 mg/mL)	60209ES10	1×1 mL	45	<b>41</b>
	60209ES50	5×1 mL	65	<b>59</b>
	60209ES60	10×1 mL	95	<b>86</b>
Tetracyclin HCl (USP)	60212ES25	25 g	75	<b>68</b>
G418 Sulfate (Geneticin)	60220ES03	1 g	65	<b>59</b>
	60220ES08	5 g	185	<b>167</b>
Hygromycin B	60225ES03	1 g	275	<b>248</b>
	60225ES10	10 g	2175	<b>1958</b>

## NGS Library Prep

### Library Preparation Kit for Illumina

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Conventional DNA library prep kit	Hieff NGS™ Ultima Pro DNA Library Prep Kit	12197ES24	24 T	545	<b>491</b>
		12197ES96	96 T	1805	<b>1625</b>
Enzymatic DNA fragmentation library prep kit	Hieff NGS™ OnePot Pro DNA Library Prep Kit for Illumina	12205ES96	24 T	665	<b>599</b>
		12205ES25	96 T	2215	<b>1994</b>
RNA library prep kit	Hieff NGS™ Ultima Dual-mode RNA Library Prep Kit	12308ES24	24 T	695	<b>626</b>
		12308ES96	96 T	2295	<b>2066</b>
	Hieff NGS™ Ultima Dual-mode mRNA Library Prep Kit	12309ES24	24 T	745	<b>671</b>
		12309ES96	96 T	2475	<b>2228</b>

### Library Preparation Kit for MGI

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Conventional DNA library prep kit	Hieff NGS™ Ultima Pro DNA Library Prep Kit	12197ES24	24 T	545	<b>491</b>
		12197ES96	96 T	1805	<b>1625</b>
Enzymatic DNA fragmentation library prep kit	Hieff NGS™ OnePot II DNA Library Prep Kit for MGI	13321ES16	16 T	665	<b>599</b>
		13321ES96	96 T	2215	<b>1994</b>
RNA library prep kit	Hieff NGS™ Ultima Dual-mode RNA Library Prep Kit	12308ES24	24 T	695	<b>626</b>
		12308ES96	96 T	2295	<b>2066</b>
	Hieff NGS™ Ultima Dual-mode mRNA Library Prep Kit	12309ES24	24 T	745	<b>671</b>
		12309ES96	96 T	2475	<b>2228</b>

### Library Preparation Module

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Dual barcode cyclization kit	Hieff NGS™ Dual Barcode Fast-Pace DNA Cyclization Kit for MGI	13340ES16	16 T	55	<b>50</b>
		13340ES96	96 T	275	<b>248</b>
Plant rRNA removal	Hieff NGS™ MaxUp rRNA Depletion Kit (Plant)	12254ES24	24 T	1815	<b>1634</b>
		12254ES96	96 T	5435	<b>4892</b>
Human rRNA&ITS/ETS removal	Hieff NGS™ MaxUp Human rRNA Depletion Kit (rRNA & ITS/ETS)	12257ES24	24 T	745	<b>671</b>
		12257ES96	96 T	2715	<b>2444</b>

### Magnetics Beads

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
DNA cleanup & size selection	Hieff NGS™ DNA selection Beads	12601ES08	5 mL	135	<b>122</b>
		12601ES56	60 mL	535	<b>482</b>
		12601ES75	450 mL	3065	<b>2759</b>
RNA cleanup	Hieff NGS™ RNA Cleaner	12602ES08	5 mL	165	<b>149</b>
		12602ES56	60 mL	405	<b>365</b>
		12602ES75	450 mL	4985	<b>4487</b>
mRNA isolation	Hieff NGS™ mRNA Isolation Master Kit	12603ES24	24 T	55	<b>50</b>
		12603ES96	96 T	205	<b>185</b>

### Adapters & Primers for Illumina

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Unique Dual Index Primer(Plate)	Hieff NGS™ Stubby UDI Primer Kit for Illumina, Set1(1-96 Index)	12312ES02	96x2 T	1000	<b>900</b>
		12312ES04	96x4 T	1976	<b>1778</b>
	Hieff NGS™ Stubby UDI Primer Kit for Illumina, Set2(97-192 Index)	12313ES02	96x2 T	1000	<b>900</b>
		12313ES04	96x4 T	1976	<b>1778</b>
	Hieff NGS™ Stubby UDI Primer Kit for Illumina, Set3(193-288 Index)	12314ES02	96x2 T	1000	<b>900</b>
		12314ES04	96x4 T	1976	<b>1778</b>
Hieff NGS™ Stubby UDI Primer Kit for Illumina, Set4(289-384 Index)	12315ES02	96x2 T	1000	<b>900</b>	
	12315ES04	96x4 T	1976	<b>1778</b>	
Combinatorial Dual Index Primer	Hieff NGS™ 384 CDI Primer for Illumina, Set 1(96 index)	12412ES02	96x2 T	645	<b>581</b>
		12413ES02	96x2 T	645	<b>581</b>

### Adapters & Primers for MGI

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Unique Dual Barcode Primer (Plate)	Hieff NGS™ Unique Dual Barcode Adapter Kit for MGI, Set 1	13536ES02	96x2 T	1000	<b>900</b>
		13536ES04	96x4 T	1976	<b>1778</b>
	Hieff NGS™ Unique Dual Barcode Adapter Kit for MGI, Set 2	13537ES02	96x2 T	1000	<b>900</b>
		13537ES04	96x4 T	1976	<b>1778</b>
	Hieff NGS™ Unique Dual Barcode Adapter Kit for MGI, Set 3	13538ES02	96x2 T	1000	<b>900</b>
		13538ES04	96x4 T	1976	<b>1778</b>
	Hieff NGS™ Unique Dual Barcode Adapter Kit for MGI, Set 4	13539ES02	96x2 T	1000	<b>900</b>
		13539ES04	96x4 T	1976	<b>1778</b>

## Protein & Immunity

### Protein Quantification

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Protein Quantification	BCA Protein Quantification Kit BCA	20201ES76	500 T(100 mL)	130	<b>117</b>
		20201ES86	2500 T(500 mL)	520	<b>468</b>
	Bradford Protein Quantification Kit Bradford	20202ES76	500 T(125 mL)	135	<b>122</b>
		20202ES86	2500 T(625 mL)	540	<b>486</b>
	Commassie Blue Fast Stain Solution (8 mins)	20309ES03	8 mL (125×)	145	<b>131</b>

### Protein Electrophoresis

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
PAGE Gel Preparation	PAGE Gel Quick Preparation Kit (8%)	20324ES62	125 mini gels	215	<b>194</b>
	PAGE Gel Quick Preparation Kit (10%)	20325ES62	125 mini gels	215	<b>194</b>
	PAGE Gel Quick Preparation Kit (12.5%)	20326ES62	125 mini gels	215	<b>194</b>
	PAGE Gel Quick Preparation Kit (15%)	20327ES62	125 mini gels	215	<b>194</b>
Marker	GoldBand 3-color Low Range Protein Marker (2.7-40 kDa)	20344ES72	250 µL	125	<b>113</b>
		20344ES76	2×250 µL	225	<b>203</b>
		20344ES90	10×250 µL	945	<b>851</b>
	GoldBand Plus 3-color High Range Protein Marker (25-300 KDa)	20347ES72	250 µL	100	<b>90</b>
		20347ES76	2×250 µL	135	<b>122</b>
		20347ES90	10×250 µL	565	<b>509</b>
Gold Band Plus 3-color Regular Range Protein Marker (8-180 kDa)	20350ES72	250 µL	75	<b>68</b>	
	20350ES76	2×250 µL	135	<b>122</b>	
	20350ES90	10×250 µL	585	<b>527</b>	

### Fast Blocking

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Blocking Reagent	Fast Blocking Western	36122ES60	100 mL	115	<b>104</b>
		36122ES76	500 mL	195	<b>176</b>

### Protein Electrophoresis

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
ECL	Super ECL Detection Reagent ECL	36208ES10	10 mL	50	<b>45</b>
		36208ES60	100 mL	45	<b>41</b>
		36208ES76	500 mL	195	<b>176</b>
	Enhanced ECL Chemiluminescent Substrate Kit	36222ES60	100 mL	55	<b>50</b>
		36222ES76	500 mL	185	<b>167</b>
	SuperSignal SuperDura Extended Duration Substrate	36223ES10	10 mL	42	<b>38</b>
		36223ES60	100 mL	245	<b>221</b>
		36223ES76	500 mL	1015	<b>914</b>
		SuperSignal MaxiSignal Maximum Sensitivity Substrate	36224ES10	10 mL	45
	36224ES60		100 mL	245	<b>221</b>
		36224ES76	500 mL	895	<b>806</b>

### Protein Electrophoresis

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
	Anti-DYKDDDDK (Flag) Affinity Gel	20585ES03	1 mL	385	<b>347</b>
		20585ES08	5 mL	960	<b>864</b>
		20585ES25	25 mL	2410	<b>2169</b>
	Anti-HA Affinity Gel	20586ES03	1 mL	460	<b>414</b>
		20586ES08	5 mL	1465	<b>1319</b>
		20586ES25	25 mL	4690	<b>4221</b>
Affinity Gel	Anti-Myc Affinity Gel	20587ES03	1 mL	460	<b>414</b>
		20587ES08	5 mL	1465	<b>1319</b>
		20587ES25	25 mL	4690	<b>4221</b>
	Anti-V5 Affinity Gel	20588ES03	1 mL	460	<b>414</b>
		20588ES08	5 mL	1465	<b>1319</b>
		20588ES25	25 mL	4690	<b>4221</b>
	Anti-His Affinity Gel	20589ES03	1 mL	460	<b>414</b>
		20589ES08	5 mL	1465	<b>1319</b>
		20589ES25	25mL	4690	<b>4221</b>

### Immunity Magnetic Beads

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Magnetic Beads	Anti-GFP MagBeads	20564ES03	1 mL	325	<b>293</b>
		20564ES08	5 mL	1045	<b>941</b>
	Anti-DYKDDDDK (Flag) MagBeads	20565ES03	1 mL	325	<b>293</b>
		20565ES08	5 mL	1045	<b>941</b>
	Protein A/G MagBeads(IP Grade)	36417ES03	1 mL	105	<b>95</b>
		36417ES08	5 mL	395	<b>356</b>

### Nucleic Acid Removal

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
UltraNuclease	UCF.ME™ UltraNuclease GMP-grade	20157ES25	25 KU	155	<b>140</b>
		20157ES50	50 KU	275	<b>248</b>
		20157ES60	100 KU	355	<b>320</b>
UltraNuclease Detection	UltraNuclease ELISA Kit	36701ES59	96 T	465	<b>419</b>



## Cell Biology

### ■ Mycoplasma Detection, Removal and Prevention

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Detection-PCR	GMyc-PCR Mycoplasma Test Kit GMyc-PCR	40601ES10	10 assays	65	59
		40601ES20	20 assays	115	104
Detection-LAMP	MycGuard™ Plus-Color One-Step Mycoplasma Detection Kit	40612ES25	25 T	45	41
		40612ES60	100 T	165	149
Detection-qPCR	MycAway™ Mycoplasma Real-time qPCR Detection Kit	40618ES25	25 T	625	563
		40618ES60	100 T	2315	2084
Removal	MycAway™ Treatment (1000×) - Mycoplasma Elimination Reagent	40607ES01	100 µL	5	5
		40607ES03	1 mL	45	41
		40607ES08	5×1 mL	165	149
Prevention	MycAway™ Prophylactic (2000×) - Mycoplasma Prevention Reagent	40608ES03	1 mL	65	59
		40608ES08	5×1 mL	165	149
Prevention	MycGuard™-1 Solution (100×), for Disinfecting Water Bath of CO2 Incubator	40609ES60	100 mL	45	41
		40610ES60	100 mL	45	41

### ■ Protein Electrophoresis

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Regular Transfection	Hieff Trans™ Liposomal Transfection Reagent	40802ES02	0.5 mL	212	191
		40802ES03	1 mL	342	308
		40802ES08	5×1 mL	1142	1028
For siRNA/miRNA	Hieff Trans™ in vitro siRNA/miRNA Transfection Reagent	40806ES02	0.5 mL	362	326
		40806ES03	1 mL	482	434
R&D Grade PEI	Polyethylenimine Linear(PEI) MW40000 (rapid lysis)	40816ES01	5 mg	65	59
		40816ES02	100 mg	1155	1040
		40816ES03	1 g	3875	3488
R&D Grade PEI	Hieff Trans™ PEI Transfection Reagent	40820ES04	1.5 mL	225	203
		40820ES10	10 mL	865	779
		40820ES60	100 mL	3445	3101
GMP Grade PEI	Hieff Trans™ PEI Transfection Reagent-GMP	40821ES10	10 mL	2155	1940
		40821ES60	100 mL	8625	7763

### ■ Basement Membrane Matrix

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Conventional Type	Ceturegel™ Matrix LDEV-Free	40183ES08	5 mL	155	140
		40183ES10	10 mL	245	221
Conventional, Phenol Red-Free	Ceturegel™ Matrix Phenol Red-Free, LDEV-Free	40184ES08	5 mL	155	140
		40184ES10	10 mL	295	266
GFR	Ceturegel™ Matrix GFR, LDEV-Free	40185ES08	5 mL	155	140
		40185ES10	10 mL	295	266
GFR, Phenol Red-Free	Ceturegel™ Matrix GFR, Phenol Red-Free, LDEV-Free	40186ES08	5 mL	165	149
		40186ES10	10 mL	315	284
High Concentration	Ceturegel™ Matrix High Concentration, LDEV-Free	40187ES08	5 mL	265	239
		40187ES10	10 mL	515	464
High Concentration, Phenol Red-Free	Ceturegel™ Matrix High Concentration, Phenol Red-Free, LDEV-Free	40188ES08	5 mL	225	203
		40188ES10	10 mL	425	383
For Organoid	Ceturegel™ Matrix for Organoid Culture, Phenol Red-Free, LDEV-Free	40191ES08	5 mL	195	176
		40191ES10	10 mL	365	329

### ■ Report Gene

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Assay Kit	Bio-Firefly Glo Luciferase Reporter Gene Assay Kit	11409ES60	100 T	195	176
		11409ES80	1000 T	1150	1035
Substrate	D-Luciferin, Sodium Salt	40901ES01	100 mg	195	176
		40901ES02	500 mg	845	761
		40901ES03	1 g	1525	1373
Substrate	D-Luciferin, Potassium Salt D	40902ES01	100 mg	195	176
		40902ES02	500 mg	845	761
		40902ES03	1 g	1525	1373

### ■ Apoptosis Detection

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Early Stage	Annexin V-FITC/PI Apoptosis Detection Kit	40302ES20	20 T	232	209
		40302ES50	50 T	422	380
		40302ES60	100 T	602	542
Early Stage	Annexin V-EGFP/PI Apoptosis Detection Kit	40303ES20	20 T	232	209
		40303ES50	50 T	422	380
		40303ES60	100 T	602	542
Early Stage	Annexin V-Alexa Fluor 647/PI Apoptosis Detection Kit	40304ES20	20 T	242	218
		40304ES50	50 T	442	398
		40304ES60	100 T	642	578
Early Stage	Annexin V-Alexa Fluor 488/PI Apoptosis Detection Kit	40305ES20	20 T	242	218
		40305ES50	50 T	442	398
		40305ES60	100 T	642	578
Late Stage	TUNEL Apoptosis Detection Kit (FITC) TUNEL	40306ES20	20 T	512	461
		40306ES50	50 T	1122	1010
		40306ES60	100 T	2032	1829
Late Stage	TUNEL Apoptosis Detection Kit (Alexa Fluor 488)	40307ES20	20 T	545	491
		40307ES50	50 T	1195	1076
		40307ES60	100 T	2125	1913
Late Stage	TUNEL Apoptosis Detection Kit (Alexa Fluor 640)	40308ES20	20 T	545	491
		40308ES50	50 T	1195	1076
		40308ES60	100 T	2125	1913

### ■ Biological Drug Quality Control

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Pretreatment	MolPure™ Magnetic Residual DNA Sample Preparation Kit	18461ES25	25 T	135	122
		18461ES60	100 T	325	293
HCD Detection	CHO Host Cell DNA Residue Detection Kit (2G)	41305ES50	50 T	1155	1040
		41305ES60	100 T	2075	1868
HCD Detection	HEK293 Host Cell DNA Residue Detection Kit (2G)	41306ES50	50 T	1775	1598
		41306ES60	100 T	3275	2948
Virus Detection	Replication-competent Lentivirus (RCL) Detection Kit	41308ES50	50 T	1155	1040
		41308ES60	100 T	2075	1868
Virus Detection	Replication-competent Lentivirus (RCL) Detection Kit	41311ES50	50 T	1155	1040
		41311ES60	100 T	2075	1868

### ■ Modeling Reagent

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Colitis Modeling	Dextran Sulfate Sodium Salt (DSS)	60316ES25	25g	255	230
		60316ES60	100g	755	680
		60316ES76	500g	3455	3110
		60316ES80	1kg	6255	5630

## mRNA-Based Therapy

### Restriction Enzyme Digestion

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Enzyme	BspQI GMP-grade (10 U/μL)	10664ES76	500 U	105	95
		10664ES86	2500 U	325	293
		10664ES92	10 KU	1275	1148
		10664ES98	100 KU	9685	8717
Buffer	10× Digestion buffer 3 GMP-grade	10667ES03	1 mL	55	50
		10667ES10	10 mL	205	185
		10667ES50	50 mL	825	743

### In Vitro Transcription

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Synthesis Kit	T7 High Yield RNA Synthesis Kit	10623ES50	50 T	165	149
		10623ES60	100 T	295	266
		10623ES70	500 T	1165	1049
	T7 RNA Polymerase GMP-grade (50 U/μL)	10624ES90	5000 U	55	50
		10624ES97	50000 U	395	356
	T7 RNA Polymerase GMP-grade (250 U/μL)	10625ES10	10 KU	105	95
		10625ES60	100 KU	795	716
	Deoxyribonuclease I (DNase I) GMP-grade (2 U/μL)	10611ES76	500 U	35	32
		10611ES84	2000 U	105	95
		10611ES92	10000 U	515	463
Enzyme	Murine RNase inhibitor (40 U/μL)	10603ES05	2 KU	35	32
		10603ES10	10 KU	145	131
		10603ES20	20 KU	285	257
		10603ES60	100 KU	1065	959
	Murine RNase inhibitor GMP-grade (40 U/μL)	10621ES10	10 KU	195	176
		10621ES20	20 KU	355	320
		10621ES60	100 KU	1405	1265
	Pyrophosphatase, Inorganic GMP-grade (1 U/μL)	10620ES10	10 U	35	32
		10620ES60	100 U	185	167
		10620ES80	1000 U	1265	1139
	Pyrophosphatase, Inorganic GMP-grade (0.1 U/μL)	10672ES03	1 U	15	14
		10672ES10	10 U	135	122
		10672ES60	100 U	1155	1040
Buffer	10× Transcription Buffer GMP-grade (Mg <sup>2+</sup> free)	10669ES03	1 mL	25	23
		10669ES10	10 mL	235	212
	10× Transcription Buffer 2 GMP-grade	10670ES03	1 mL	25	23
		10670ES10	10 mL	235	212
		10670ES25	25 mL	545	491
	10× Transcription Buffer GMP-grade	10627ES03	1 mL	55	50
10627ES10		10 mL	205	185	
10627ES25		25 mL	415	374	

### Capping Reaction

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Enzyme	mRNA Cap 2'-O-Methyltransferase GMP-grade (50 U/μL)	10612ES92	10000 U	165	149
		10612ES97	50000 U	685	617
	mRNA Vaccinia Capping Enzyme GMP-grade (10 U/μL)	10614ES84	2 KU	365	329
10614ES92		10 KU	1445	1301	

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Buffer	10× Capping Buffer GMP-grade	10666ES03	1 mL	55	50
		10666ES10	10 mL	205	185
		10666ES25	25 mL	415	374
Methyl Donor	S-adenosylmethionine (SAM) GMP-grade (32 mM)	10619ES02	0.5 mL	35	32
		10619ES25	25 mL	495	446

### NTP

Classification	Product Name	Cat.No	Size	List Price/\$	Special Offer/\$
Sodium Solution	ATP Solution GMP-grade (100 mM)	10129ES03	1 mL	105	95
	CTP Solution GMP-grade (100 mM)	10130ES03	1 mL	105	95
	UTP Solution GMP-grade (100 mM)	10131ES03	1 mL	105	95
	GTP Solution GMP-grade (100 mM)	10132ES03	1 mL	105	95
	NTP Set Solution(ATP, CTP, UTP, GTP, 100 mM each)	10133ES03	1 Set (4 vial)	405	365
	Pseudo UTP sodium solution GMP-grade (100 mM)	10650ES70 10650ES80	100 μL 1 mL	365 1125	329 1013
Tris Solution	N1-Me-Pseudo UTP sodium solution GMP-grade (100 mM)	10651ES70 10651ES80	100 μL 1 mL	525 1535	473 1382
	ATP Tris Solution GMP-grade (100 mM)	10652ES03	1 mL	160	144
	CTP Tris Solution GMP-grade (100 mM)	10653ES03	1 mL	160	144
	UTP Tris Solution GMP-grade (100 mM)	10654ES03	1 mL	160	144
	GTP Tris Solution GMP-grade (100 mM)	10655ES03	1 mL	160	144
	Pseudo UTP Tris Solution GMP-grade (100 mM)	10656ES70 10656ES80	100 μL 1 mL	550 1690	495 1521
	N1-Me-Pseudo UTP Tris Solution GMP-grade (100 mM)	10657ES70 10657ES80	100 μL 1 mL	790 2305	711 2075