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# E-Gel cassette and ladder selection guide

E-Gel type	Highlights	Agarose	Resolution	Rows	Wells	Stain	Optimal sample load	Maximum sample load	Default run time	Cat. No.
<b>Gels compatible with Invitrogen™ E-Gel™ Power Snap &amp; E-Gel™ Simple Runner (Excluding E-gel EX)</b>										
E-Gel EX	Fastest-resolving gel	1%	100 bp–5 kb	1	11	SYBR Gold	0.5–100 ng	50 ng	10 min	G401001
		2%	50 bp–2 kb					50 ng		G401002
		4%	10 bp–500 bp					50 ng	15 min	G401004
E-Gel with SYBR Safe	General purpose	1%	100 bp–5 kb	1	11	SYBR Safe	5–300 ng	500 ng	30 min	A42100
		2%	50 bp–2 kb					500 ng		A42135
		4%	10 bp–500 bp					500 ng		A42136
E-Gel EX Double Comb	Fastest-resolving gel	1%	100 bp–5 kb	2	22	SYBR Gold	0.5–100 ng	50 ng	8 min	A42345
		2%	50 bp–2 kb					50 ng		A42346
E-Gel Double Comb with SYBR Safe	General purpose	1%	100 bp–5 kb	2	22	SYBR Safe	5–300 ng	300 ng	13 min	A42347
		2%	50 bp–2 kb				5–500 ng	500 ng		A42348
E-Gel CloneWell II	High-efficiency cloning	0.8%	100 bp–6 kb	2	7	SYBR Safe	200–800 ng	800 ng	12 min	G661818
E-Gel SizeSelect II	DNA purification for next-generation sequencing	2%	50 bp–2 kb	2	7	SYBR Gold	1–300 ng	500 ng	8 min	G661012
E-Gel NGS	DNA purification for next-generation sequencing	0.8%	800 bp–10 kb	1	11	SYBR Safe	20–100 ng	500 ng	26 min	A25798
E-Gel Go!	Low throughput	1%	100 bp–5 kb	1	4	SYBR Gold	100 ng	200 ng	15 min	G441001
		2%	100 bp–1.5 kb							G441002
<b>Mother and Daughter E-Base systems</b>										
E-Gel 48 with SYBR Safe	High throughput	1%	400 bp–10 kb	2	Per row: 24 sample wells and 2 marker wells	SYBR Safe	20–100 ng	500 ng	20 min	G820801
		2%	50 bp–3 kb							G820802
		4%	10 bp–400 bp							G820804
E-Gel 96 with SYBR Safe	High throughput	1%	100 bp–10 kb	8	Per row: 12 sample wells and 1 marker well	SYBR Safe	20–100 ng	500 ng	12 min	G720801
		2%	100 bp–2 kb							G720802

## Find the right DNA ladder for your gel format (details on back page)

E-Gel	Agarose	E-Gel Ultra Low Range DNA Ladder	E-Gel 50 bp DNA Ladder	E-Gel 1 Kb Plus DNA Ladder	E-Gel 1 Kb Plus Express DNA Ladder	E-Gel Sizing DNA Ladder	E-Gel Low Range Quantitative DNA Ladder	E-Gel 96 High Range DNA Marker	End volume (top up with water)
<b>Routine use</b>									
E-Gel EX	1%				2 $\mu$ L (80 ng)				20 $\mu$ L
	2%		2 $\mu$ L (50 ng)						20 $\mu$ L
	4%	4 $\mu$ L (100 ng)							20 $\mu$ L
E-Gel with SYBR Safe	1%			20 $\mu$ L (500 ng)					20 $\mu$ L
	2%		20 $\mu$ L (500 ng)						20 $\mu$ L
	4%	20 $\mu$ L (500 ng)							20 $\mu$ L
E-Gel EX Double Comb	1%			2 $\mu$ L (50 ng)				20 $\mu$ L (100 ng)	20 $\mu$ L
	2%		2 $\mu$ L (50 ng)					20 $\mu$ L (100 ng)	20 $\mu$ L
E-Gel Double Comb with SYBR Safe	1%				20 $\mu$ L (800 ng)			20 $\mu$ L (100 ng)	20 $\mu$ L
	2%				20 $\mu$ L (800 ng)		20 $\mu$ L (350 ng)		20 $\mu$ L
E-Gel Go!	1%				20 $\mu$ L (800 ng)				20 $\mu$ L
	2%		10 $\mu$ L (250 ng)						20 $\mu$ L
<b>High throughput</b>									
E-Gel 48	1%				4 $\mu$ L (160 ng)				15 $\mu$ L
	2%		6 $\mu$ L (150 ng)						15 $\mu$ L
	4%						8 $\mu$ L (140 ng)		15 $\mu$ L
E-Gel 96	1%							20 $\mu$ L (100 ng)	20 $\mu$ L
	2%						20 $\mu$ L (350 ng)		20 $\mu$ L
<b>Specialty</b>									
E-Gel CloneWell II	0.8%				25 $\mu$ L (1,000 ng)				25 $\mu$ L
E-Gel SizeSelect II	2%					25 $\mu$ L (50 ng)			25 $\mu$ L
E-Gel NGS	0.8%			20 $\mu$ L (500 ng)	20 $\mu$ L (500 ng)				20 $\mu$ L

E-Gel 96 High Range DNA Marker	E-Gel 1 Kb Plus DNA Ladder	E-Gel 1 Kb Plus Express DNA Ladder	E-Gel 50 bp DNA Ladder
Cat. No. 12352019	Cat. No. 10488090	Cat. No. 10488091	Cat. No. 10488099
<p>bp</p> <p>10,000</p> <p>4,000</p> <p>2,000</p> <p>800</p> <p>400</p>	<p>bp</p> <p>15,000</p> <p>8,000</p> <p>6,000</p> <p>4,000</p> <p>2,000</p> <p>1,000</p> <p>650</p> <p>400</p> <p>200</p> <p>100</p>	<p>bp</p> <p>5,000</p> <p>3,000</p> <p>2,000</p> <p>1,500</p> <p>1,000</p> <p>750</p> <p>500</p> <p>300</p> <p>100</p>	<p>bp</p> <p>2,500</p> <p>800</p> <p>700</p> <p>600</p> <p>500</p> <p>400</p> <p>300</p> <p>200</p> <p>100</p> <p>50</p>

E-Gel Low Range Quantitative DNA Ladder	E-Gel Sizing DNA Ladder	E-Gel Ultra Low Range DNA Ladder
Cat. No. 12373031	Cat. No. 10488100	Cat. No. 10488096
<p>800</p> <p>400</p> <p>200</p> <p>100</p>	<p>1,000</p> <p>800</p> <p>600</p> <p>450</p> <p>350</p> <p>300</p> <p>250</p> <p>200</p> <p>150</p> <p>125</p> <p>100</p> <p>75</p> <p>50</p>	<p>200</p> <p>150</p> <p>100</p> <p>75</p> <p>50</p> <p>35</p> <p>20</p> <p>10</p>

Find out more at [thermofisher.com/egel](https://thermofisher.com/egel)

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