

## HP22.1 Roth Random Primer Kit A für die RAPD-PCR

20 x 10mer

Kit besteht aus 20 Einzelprimern, jeweils aufgeteilt auf 2 Reaktionsgefäße zu je 1,0 OD

**Achtung: Angaben beziehen sich jeweils auf ein Reaktionsgefäß!**

Primer	Sequenz 5' → 3'	MW (g/mol)	Liefermenge (1,0 OD)	Molarer Extinkt.koeffiz. (l/mol·cm)	Konz. bei Lösung. in 1 ml (pmol/µl)	Lösungsmittelvolumen für Konzentration 100 pmol/µl	Schmelzpunkt ( 2° C + 4° C-Regel)	Schmelzpunkt (G/C-Regel)
01	CAG GCC CTT C	2955	31,4 µg / 10,6 nmol	91.971	10,6	106,2 µl	34,0 °C	21,1 °C
02	TGC CGA GCT G	3035	29,1 µg / 9,6 nmol	100.683	9,6	96,0 µl	34,0 °C	21,1 °C
03	AGT CAG CCA C	2988	27,3 µg / 9,1 nmol	106.524	9,1	91,2 µl	32,0 °C	17,0 °C
04	AAT CGG GCT G	3059	27,0 µg / 8,8 nmol	108.702	8,8	88,3 µl	32,0 °C	17,0 °C
05	AGG GGT CTT G	3090	27,6 µg / 8,9 nmol	106.524	8,9	89,4 µl	32,0 °C	17,0 °C
06	GGT CCC TGA C	2995	30,2 µg / 10,1 nmol	96.327	10,1	100,8 µl	34,0 °C	21,1 °C
07	GAA ACG GGT G	3108	24,9 µg / 8,0 nmol	119.592	8,0	80,3 µl	32,0 °C	17,0 °C
08	GTG ACG TAG G	3099	26,2 µg / 8,5 nmol	113.058	8,5	84,6 µl	32,0 °C	17,0 °C
09	GGG TAA CGC C	3044	27,5 µg / 9,0 nmol	107.217	9,0	90,4 µl	34,0 °C	21,1 °C
10	GTG ATC GCA G	3059	27,0 µg / 8,8 nmol	108.702	8,8	88,3 µl	32,0 °C	17,0 °C
11	CAA TCG CCG T	2979	28,9 µg / 9,7 nmol	99.990	9,7	96,9 µl	32,0 °C	17,0 °C
12	TCG GCG ATA G	3059	27,0 µg / 8,8 nmol	108.702	8,8	88,3 µl	32,0 °C	17,0 °C
13	CAG CAC CCA C	2933	28,8 µg / 9,8 nmol	100.683	9,8	98,0 µl	34,0 °C	21,1 °C
14	TCT GTG CTG G	3041	30,3 µg / 10,0 nmol	95.634	10,0	99,6 µl	32,0 °C	17,0 °C
15	TTC CGA ACC C	2939	29,9 µg / 10,2 nmol	95.634	10,2	101,8 µl	32,0 °C	17,0 °C
16	AGC CAG CGA A	3037	25,1 µg / 8,3 nmol	117.414	8,3	82,6 µl	32,0 °C	17,0 °C
17	GAC CGC TTG T	3010	29,6 µg / 9,8 nmol	97.812	9,8	98,2 µl	32,0 °C	17,0 °C
18	AGG TGA CCG T	3059	27,0 µg / 8,8 nmol	108.702	8,8	88,3 µl	32,0 °C	17,0 °C
19	CAA ACG TCG G	3028	26,4 µg / 8,7 nmol	110.880	8,7	87,3 µl	32,0 °C	17,0 °C
20	GTT GCG ATC C	3010	29,6 µg / 9,8 nmol	97.812	9,8	98,2 µl	32,0 °C	17,0 °C

# HP23.1 Roth Random Primer Kit B für die RAPD-PCR

20 x 10mer

Kit besteht aus 20 Einzelprimern, jeweils aufgeteilt auf 2 Reaktionsgefäße zu je 1,0 OD

**Achtung: Angaben beziehen sich jeweils auf ein Reaktionsgefäß!**

Primer	Sequenz 5' → 3'	MW (g/mol)	Liefermenge (1,0 OD)	Molarer Extinkt.koeffiz. (l/mol·cm)	Konz. bei Lösng. in 1 ml (pmol/µl)	Lösungsmittelvol. für Konzentration 100 pmol/µl	Schmelzpunkt ( 2° C + 4° C-Regel)	Schmelzpunkt (G/C-Regel)
01	GTT TCG CTC C	2961	32,8 µg / 11,1 nmol	86.922	11,1	110,6 µl	32,0 °C	17,0 °C
02	TGA TCC CTG G	3010	29,6 µg / 9,8 nmol	97.812	9,8	98,2 µl	32,0 °C	17,0 °C
03	CAT CCC CCT G	2915	32,7 µg / 11,2 nmol	87.615	11,2	112,1 µl	34,0 °C	21,1 °C
04	GGA CTG GAG T	3099	26,2 µg / 8,5 nmol	113.058	8,5	84,6 µl	32,0 °C	17,0 °C
05	TGC GCC CTT C	2946	33,6 µg / 11,4 nmol	85.437	11,4	113,9 µl	34,0 °C	21,1 °C
06	TGC TCT GCC C	2946	33,6 µg / 11,4 nmol	85.437	11,4	113,9 µl	34,0 °C	21,1 °C
07	GGT GAC GCA G	3084	26,7 µg / 8,7 nmol	111.573	8,7	86,5 µl	34,0 °C	21,1 °C
08	GTC CAC ACG G	3004	28,4 µg / 9,5 nmol	102.861	9,5	94,7 µl	34,0 °C	21,1 °C
09	TGG GGG ACT C	3075	28,2 µg / 9,2 nmol	105.039	9,2	91,6 µl	34,0 °C	21,1 °C
10	CTG CTG GGA C	3035	29,1 µg / 9,6 nmol	100.683	9,6	96,0 µl	34,0 °C	21,1 °C
11	GTA GAC CCG T	3019	27,9 µg / 9,2 nmol	104.346	9,2	92,4 µl	32,0 °C	17,0 °C
12	CCT TGA CGC A	2979	28,9 µg / 9,7 nmol	99.990	9,7	96,9 µl	32,0 °C	17,0 °C
13	TTC CCC CGC T	2906	35,1 µg / 12,1 nmol	81.081	12,1	120,8 µl	34,0 °C	21,1 °C
14	TCC GCT CTG G	2986	32,2 µg / 10,8 nmol	89.793	10,8	107,8 µl	34,0 °C	21,1 °C
15	GGA GGG TGT T	3130	26,8 µg / 8,6 nmol	110.880	8,6	85,6 µl	32,0 °C	17,0 °C
16	TTT GCC CGG A	3010	29,6 µg / 9,8 nmol	97.812	9,8	98,2 µl	32,0 °C	17,0 °C
17	AGG GAA CGA G	3117	23,8 µg / 7,6 nmol	126.126	7,6	76,3 µl	32,0 °C	17,0 °C
18	CCA CAG CAG T	2988	27,3 µg / 9,1 nmol	106.524	9,1	91,2 µl	32,0 °C	17,0 °C
19	ACC CCC GAA G	2973	27,8 µg / 9,3 nmol	105.039	9,3	93,5 µl	34,0 °C	21,1 °C
20	GGA CCC TTA C	2979	28,9 µg / 9,7 nmol	99.990	9,7	96,9 µl	32,0 °C	17,0 °C

# HP24.1 Roth Random Primer Kit C für die RAPD-PCR

20 x 10mer

Kit besteht aus 20 Einzelprimern, jeweils aufgeteilt auf 2 Reaktionsgefäße zu je 1,0 OD

**Achtung: Angaben beziehen sich jeweils auf ein Reaktionsgefäß!**

Primer	Sequenz 5' → 3'	MW (g/mol)	Liefermenge (1,0 OD)	Molarer Extinkt.koeffiz. (l/mol·cm)	Konz. bei Lösng. in 1 ml (pmol/µl)	Lösungsmittelvol. für Konzentration 100 pmol/µl	Schmelzpunkt ( 2° C + 4° C-Regel)	Schmelzpunkt (G/C-Regel)
01	TTC GAG CCA G	3019	27,9 µg / 9,2 nmol	104.346	9,2	92,4 µl	32,0 °C	17,0 °C
02	GTG AGG CGT C	3075	28,2 µg / 9,2 nmol	105.039	9,2	91,6 µl	34,0 °C	21,1 °C
03	GGG GGT CTT T	3081	29,2 µg / 9,5 nmol	99.990	9,5	94,9 µl	32,0 °C	17,0 °C
04	CCG CAT CTA C	2939	29,9 µg / 10,2 nmol	95.634	10,2	101,8 µl	32,0 °C	17,0 °C
05	GAT GAC CGC C	3004	28,4 µg / 9,5 nmol	102.861	9,5	94,7 µl	34,0 °C	21,1 °C
06	GAA CGG ACT C	3028	26,4 µg / 8,7 nmol	110.880	8,7	87,3 µl	32,0 °C	17,0 °C
07	GTC CCG ACG A	3004	28,4 µg / 9,5 nmol	102.861	9,5	94,7 µl	34,0 °C	21,1 °C
08	TGG ACC GGT G	3075	28,2 µg / 9,2 nmol	105.039	9,2	91,6 µl	34,0 °C	21,1 °C
09	CTC ACC GTC C	2915	32,7 µg / 11,2 nmol	87.615	11,2	112,1 µl	34,0 °C	21,1 °C
10	TGT CTG GGT G	3081	29,2 µg / 9,5 nmol	99.990	9,5	94,9 µl	32,0 °C	17,0 °C
11	AAA GCT GCG G	3068	25,7 µg / 8,4 nmol	115.236	8,4	83,6 µl	32,0 °C	17,0 °C
12	TGT CAT CCC C	2930	31,9 µg / 10,9 nmol	89.100	10,9	108,9 µl	32,0 °C	17,0 °C
13	AAG CCT CGT C	2979	28,9 µg / 9,7 nmol	99.990	9,7	96,9 µl	32,0 °C	17,0 °C
14	TGC GTG CTT G	3041	30,3 µg / 10,0 nmol	95.634	10,0	99,6 µl	32,0 °C	17,0 °C
15	GAC GGA TCA G	3068	25,7 µg / 8,4 nmol	115.236	8,4	83,6 µl	32,0 °C	17,0 °C
16	CAC ACT CCA G	2948	28,2 µg / 9,6 nmol	102.168	9,6	95,6 µl	32,0 °C	17,0 °C
17	TTC CCC CCA G	2915	32,7 µg / 11,2 nmol	87.615	11,2	112,1 µl	34,0 °C	21,1 °C
18	TGA GTG GGT G	3130	26,8 µg / 8,6 nmol	110.880	8,6	85,6 µl	32,0 °C	17,0 °C
19	GTT GCC AGC C	2995	30,2 µg / 10,1 nmol	96.327	10,1	100,8 µl	34,0 °C	21,1 °C
20	ACT TCG CCA C	2939	29,9 µg / 10,2 nmol	95.634	10,2	101,8 µl	32,0 °C	17,0 °C

# HP25.1 Roth Random Primer Kit D für die RAPD-PCR

20 x 10mer

Kit besteht aus 20 Einzelprimern, jeweils aufgeteilt auf 2 Reaktionsgefäße zu je 1,0 OD

**Achtung: Angaben beziehen sich jeweils auf ein Reaktionsgefäß!**

Primer	Sequenz 5' → 3'	MW (g/mol)	Liefermenge (1,0 OD)	Molarer Extinkt.koeffiz. (l/mol·cm)	Konz. bei Lösung. in 1 ml (pmol/µl)	Lösungsmittelvol. für Konzentration 100 pmol/µl	Schmelzpunkt ( 2° C + 4° C-Regel)	Schmelzpunkt (G/C-Regel)
01	ACC GCG AAG G	3053	26,1 µg / 8,5 nmol	113.751	8,5	85,5 µl	34,0 °C	21,1 °C
02	GGA CCC AAC C	2973	27,8 µg / 9,3 nmol	105.039	9,3	93,5 µl	34,0 °C	21,1 °C
03	GTC GCC GTC A	2995	30,2 µg / 10,1 nmol	96.327	10,1	100,8 µl	34,0 °C	21,1 °C
04	TCT GGT GAG G	3090	27,6 µg / 8,9 nmol	106.524	8,9	89,4 µl	32,0 °C	17,0 °C
05	TGA GCG GAC A	3068	25,7 µg / 8,4 nmol	115.236	8,4	83,6 µl	32,0 °C	17,0 °C
06	ACC TGA ACG G	3028	26,4 µg / 8,7 nmol	110.880	8,7	87,3 µl	32,0 °C	17,0 °C
07	TTG GCA CGG G	3075	28,2 µg / 9,2 nmol	105.039	9,2	91,6 µl	34,0 °C	21,1 °C
08	GTG TGC CCC A	2995	30,2 µg / 10,1 nmol	96.327	10,1	100,8 µl	34,0 °C	21,1 °C
09	CTC TGG AGA C	3019	27,9 µg / 9,2 nmol	104.346	9,2	92,4 µl	32,0 °C	17,0 °C
10	GGT CTA CAC C	2979	28,9 µg / 9,7 nmol	99.990	9,7	96,9 µl	32,0 °C	17,0 °C
11	AGC GCC ATT G	3019	27,9 µg / 9,2 nmol	104.346	9,2	92,4 µl	32,0 °C	17,0 °C
12	CAC CGT ATC C	2939	29,9 µg / 10,2 nmol	95.634	10,2	101,8 µl	32,0 °C	17,0 °C
13	GGG GTG ACG A	3124	25,9 µg / 8,3 nmol	115.929	8,3	82,9 µl	34,0 °C	21,1 °C
14	CTT CCC CAA G	2939	29,9 µg / 10,2 nmol	95.634	10,2	101,8 µl	32,0 °C	17,0 °C
15	CAT CCG TGC T	2970	30,7 µg / 10,3 nmol	93.456	10,3	103,3 µl	32,0 °C	17,0 °C
16	AGG GCG TAA G	3108	24,9 µg / 8,0 nmol	119.592	8,0	80,3 µl	32,0 °C	17,0 °C
17	TTT CCC ACG G	2970	30,7 µg / 10,3 nmol	93.456	10,3	103,3 µl	32,0 °C	17,0 °C
18	GAG AGC CAA C	3037	25,1 µg / 8,3 nmol	117.414	8,3	82,6 µl	32,0 °C	17,0 °C
19	CTG GGG ACT T	3050	28,6 µg / 9,4 nmol	102.168	9,4	93,6 µl	32,0 °C	17,0 °C
20	ACC CGG TCA C	2964	29,5 µg / 9,9 nmol	98.505	9,9	99,4 µl	34,0 °C	21,1 °C

**Roth Random Primer Kit A für die RAPD-PCR**

20x 10 mer

**HP22.1**

**Roth Random Primer Kit B für die RAPD-PCR**

20x 10 mer

**HP23.1**

**Roth Random Primer Kit C für die RAPD-PCR**

20x 10 mer

**HP24.1**

**Roth Random Primer Kit D für die RAPD-PCR**

20x 10 mer

**HP25.1**

# Instructions for use



## HP22.1 Roth Random Primer Kit A for RAPD-PCR

20 x 10mer

Kit contains 20 primers, aliquoted in 2 vials, each with 1.0 OD

Please note: Information below refers to one vial each!

Primer	Sequence 5' → 3'	MW (g/mol)	Amount (1.0 OD)	Molar extinct. coeff. (l/mol·cm)	Conc. when solubilized in 1 ml (pmol/μl)	Required solvent volume for conc. 100 pmol/μl	Melting point (2° C + 4° C rule)	Melting point (G/C rule)
01	CAG GCC CTT C	2955	31.4 μg / 10.6 nmol	91971	10.6	106.2 μl	34.0 °C	21.1 °C
02	TGC CGA GCT G	3035	29.1 μg / 9.6 nmol	100683	9.6	96.0 μl	34.0 °C	21.1 °C
03	AGT CAG CCA C	2988	27.3 μg / 9.1 nmol	106524	9.1	91.2 μl	32.0 °C	17.0 °C
04	AAT CGG GCT G	3059	27.0 μg / 8.8 nmol	108702	8.8	88.3 μl	32.0 °C	17.0 °C
05	AGG GGT CTT G	3090	27.6 μg / 8.9 nmol	106524	8.9	89.4 μl	32.0 °C	17.0 °C
06	GGT CCC TGA C	2995	30.2 μg / 10.1 nmol	96327	10.1	100.8 μl	34.0 °C	21.1 °C
07	GAA ACG GGT G	3108	24.9 μg / 8.0 nmol	119592	8.0	80.3 μl	32.0 °C	17.0 °C
08	GTG ACG TAG G	3099	26.2 μg / 8.5 nmol	113058	8.5	84.6 μl	32.0 °C	17.0 °C
09	GGG TAA CGC C	3044	27.5 μg / 9.0 nmol	107217	9.0	90.4 μl	34.0 °C	21.1 °C
10	GTG ATC GCA G	3059	27.0 μg / 8.8 nmol	108702	8.8	88.3 μl	32.0 °C	17.0 °C
11	CAA TCG CCG T	2979	28.9 μg / 9.7 nmol	99990	9.7	96.9 μl	32.0 °C	17.0 °C
12	TCG GCG ATA G	3059	27.0 μg / 8.8 nmol	108702	8.8	88.3 μl	32.0 °C	17.0 °C
13	CAG CAC CCA C	2933	28.8 μg / 9.8 nmol	100683	9.8	98.0 μl	34.0 °C	21.1 °C
14	TCT GTG CTG G	3041	30.3 μg / 10.0 nmol	95634	10.0	99.6 μl	32.0 °C	17.0 °C
15	TTC CGA ACC C	2939	29.9 μg / 10.2 nmol	95634	10.2	101.8 μl	32.0 °C	17.0 °C
16	AGC CAG CGA A	3037	25.1 μg / 8.3 nmol	117414	8.3	82.6 μl	32.0 °C	17.0 °C
17	GAC CGC TTG T	3010	29.6 μg / 9.8 nmol	97812	9.8	98.2 μl	32.0 °C	17.0 °C
18	AGG TGA CCG T	3059	27.0 μg / 8.8 nmol	108702	8.8	88.3 μl	32.0 °C	17.0 °C
19	CAA ACG TCG G	3028	26.4 μg / 8.7 nmol	110880	8.7	87.3 μl	32.0 °C	17.0 °C
20	GTT GCG ATC C	3010	29.6 μg / 9.8 nmol	97812	9.8	98.2 μl	32.0 °C	17.0 °C

# HP23.1 Roth Random Primer Kit B for RAPD-PCR

20 x 10mer

Kit contains 20 primers, aliquoted in 2 vials, each with 1.0 OD

Please note: Information below refers to one vial each!

Primer	Sequence 5' → 3'	MW (g/mol)	Amount (1.0 OD)	Molar extinct. coeff. (l/mol-cm)	Conc., when solubilized in 1 ml (pmol/μl)	Required solvent volume for conc. 100 pmol/μl	Melting point (2° C + 4° C rule)	Melting point (G/C rule)
01	GTT TCG CTC C	2961	32.8 μg / 11.1 nmol	86922	11.1	110.6 μl	32.0 °C	17.0 °C
02	TGA TCC CTG G	3010	29.6 μg / 9.8 nmol	97812	9.8	98.2 μl	32.0 °C	17.0 °C
03	CAT CCC CCT G	2915	32.7 μg / 11.2 nmol	87615	11.2	112.1 μl	34.0 °C	21.1 °C
04	GGA CTG GAG T	3099	26.2 μg / 8.5 nmol	113058	8.5	84.6 μl	32.0 °C	17.0 °C
05	TGC GCC CTT C	2946	33.6 μg / 11.4 nmol	85437	11.4	113.9 μl	34.0 °C	21.1 °C
06	TGC TCT GCC C	2946	33.6 μg / 11.4 nmol	85437	11.4	113.9 μl	34.0 °C	21.1 °C
07	GGT GAC GCA G	3084	26.7 μg / 8.7 nmol	111573	8.7	86.5 μl	34.0 °C	21.1 °C
08	GTC CAC ACG G	3004	28.4 μg / 9.5 nmol	102861	9.5	94.7 μl	34.0 °C	21.1 °C
09	TGG GGG ACT C	3075	28.2 μg / 9.2 nmol	105039	9.2	91.6 μl	34.0 °C	21.1 °C
10	CTG CTG GGA C	3035	29.1 μg / 9.6 nmol	100683	9.6	96.0 μl	34.0 °C	21.1 °C
11	GTA GAC CCG T	3019	27.9 μg / 9.2 nmol	104346	9.2	92.4 μl	32.0 °C	17.0 °C
12	CCT TGA CGC A	2979	28.9 μg / 9.7 nmol	99990	9.7	96.9 μl	32.0 °C	17.0 °C
13	TTC CCC CGC T	2906	35.1 μg / 12.1 nmol	81081	12.1	120.8 μl	34.0 °C	21.1 °C
14	TCC GCT CTG G	2986	32.2 μg / 10.8 nmol	89793	10.8	107.8 μl	34.0 °C	21.1 °C
15	GGA GGG TGT T	3130	26.8 μg / 8.6 nmol	110880	8.6	85.6 μl	32.0 °C	17.0 °C
16	TTT GCC CGG A	3010	29.6 μg / 9.8 nmol	97812	9.8	98.2 μl	32.0 °C	17.0 °C
17	AGG GAA CGA G	3117	23.8 μg / 7.6 nmol	126126	7.6	76.3 μl	32.0 °C	17.0 °C
18	CCA CAG CAG T	2988	27.3 μg / 9.1 nmol	106524	9.1	91.2 μl	32.0 °C	17.0 °C
19	ACC CCC GAA G	2973	27.8 μg / 9.3 nmol	105039	9.3	93.5 μl	34.0 °C	21.1 °C
20	GGA CCC TTA C	2979	28.9 μg / 9.7 nmol	99990	9.7	96.9 μl	32.0 °C	17.0 °C

# HP24.1 Roth Random Primer Kit C for RAPD-PCR

20 x 10mer

Kit contains 20 primers, aliquoted in 2 vials, each with 1.0 OD

Please note: Information below refers to one vial each!

Primer	Sequence 5' → 3'	MW (g/mol)	Amount (1.0 OD)	Molar extinct. coeff. (l/mol-cm)	Conc., when solubilized in 1 ml (pmol/μl)	Required solvent volume for conc. 100 pmol/μl	Melting point (2° C + 4° C rule)	Melting point (G/C rule)
01	TTC GAG CCA G	3019	27.9 μg / 9.2 nmol	104346	9.2	92.4 μl	32.0 °C	17.0 °C
02	GTG AGG CGT C	3075	28.2 μg / 9.2 nmol	105039	9.2	91.6 μl	34.0 °C	21.1 °C
03	GGG GGT CTT T	3081	29.2 μg / 9.5 nmol	99990	9.5	94.9 μl	32.0 °C	17.0 °C
04	CCG CAT CTA C	2939	29.9 μg / 10.2 nmol	95634	10.2	101.8 μl	32.0 °C	17.0 °C
05	GAT GAC CGC C	3004	28.4 μg / 9.5 nmol	102861	9.5	94.7 μl	34.0 °C	21.1 °C
06	GAA CGG ACT C	3028	26.4 μg / 8.7 nmol	110880	8.7	87.3 μl	32.0 °C	17.0 °C
07	GTC CCG ACG A	3004	28.4 μg / 9.5 nmol	102861	9.5	94.7 μl	34.0 °C	21.1 °C
08	TGG ACC GGT G	3075	28.2 μg / 9.2 nmol	105039	9.2	91.6 μl	34.0 °C	21.1 °C
09	CTC ACC GTC C	2915	32.7 μg / 11.2 nmol	87615	11.2	112.1 μl	34.0 °C	21.1 °C
10	TGT CTG GGT G	3081	29.2 μg / 9.5 nmol	99990	9.5	94.9 μl	32.0 °C	17.0 °C
11	AAA GCT GCG G	3068	25.7 μg / 8.4 nmol	115236	8.4	83.6 μl	32.0 °C	17.0 °C
12	TGT CAT CCC C	2930	31.9 μg / 10.9 nmol	89100	10.9	108.9 μl	32.0 °C	17.0 °C
13	AAG CCT CGT C	2979	28.9 μg / 9.7 nmol	99990	9.7	96.9 μl	32.0 °C	17.0 °C
14	TGC GTG CTT G	3041	30.3 μg / 10.0 nmol	95634	10.0	99.6 μl	32.0 °C	17.0 °C
15	GAC GGA TCA G	3068	25.7 μg / 8.4 nmol	115236	8.4	83.6 μl	32.0 °C	17.0 °C
16	CAC ACT CCA G	2948	28.2 μg / 9.6 nmol	102168	9.6	95.6 μl	32.0 °C	17.0 °C
17	TTC CCC CCA G	2915	32.7 μg / 11.2 nmol	87615	11.2	112.1 μl	34.0 °C	21.1 °C
18	TGA GTG GGT G	3130	26.8 μg / 8.6 nmol	110880	8.6	85.6 μl	32.0 °C	17.0 °C
19	GTT GCC AGC C	2995	30.2 μg / 10.1 nmol	96327	10.1	100.8 μl	34.0 °C	21.1 °C
20	ACT TCG CCA C	2939	29.9 μg / 10.2 nmol	95634	10.2	101.8 μl	32.0 °C	17.0 °C

# HP25.1 Roth Random Primer Kit D for RAPD-PCR

20 x 10mer

Kit contains 20 primers, aliquoted in 2 vials, each with 1.0 OD

Please note: Information below refers to one vial each!

Primer	Sequence 5' → 3'	MW (g/mol)	Amount (1.0 OD)	Molar extinct. coeff. (l/mol·cm)	Conc., when solubilized in 1 ml (pmol/μl)	Required solvent volume for conc. 100 pmol/μl	Melting point (2° C + 4° C rule)	Melting point (G/C rule)
01	ACC GCG AAG G	3053	26.1 μg / 8.5 nmol	113751	8.5	85.5 μl	34.0 °C	21.1 °C
02	GGA CCC AAC C	2973	27.8 μg / 9.3 nmol	105039	9.3	93.5 μl	34.0 °C	21.1 °C
03	GTC GCC GTC A	2995	30.2 μg / 10.1 nmol	96327	10.1	100.8 μl	34.0 °C	21.1 °C
04	TCT GGT GAG G	3090	27.6 μg / 8.9 nmol	106524	8.9	89.4 μl	32.0 °C	17.0 °C
05	TGA GCG GAC A	3068	25.7 μg / 8.4 nmol	115236	8.4	83.6 μl	32.0 °C	17.0 °C
06	ACC TGA ACG G	3028	26.4 μg / 8.7 nmol	110880	8.7	87.3 μl	32.0 °C	17.0 °C
07	TTG GCA CGG G	3075	28.2 μg / 9.2 nmol	105039	9.2	91.6 μl	34.0 °C	21.1 °C
08	GTG TGC CCC A	2995	30.2 μg / 10.1 nmol	96327	10.1	100.8 μl	34.0 °C	21.1 °C
09	CTC TGG AGA C	3019	27.9 μg / 9.2 nmol	104346	9.2	92.4 μl	32.0 °C	17.0 °C
10	GGT CTA CAC C	2979	28.9 μg / 9.7 nmol	99990	9.7	96.9 μl	32.0 °C	17.0 °C
11	AGC GCC ATT G	3019	27.9 μg / 9.2 nmol	104346	9.2	92.4 μl	32.0 °C	17.0 °C
12	CAC CGT ATC C	2939	29.9 μg / 10.2 nmol	95634	10.2	101.8 μl	32.0 °C	17.0 °C
13	GGG GTG ACG A	3124	25.9 μg / 8.3 nmol	115929	8.3	82.9 μl	34.0 °C	21.1 °C
14	CTT CCC CAA G	2939	29.9 μg / 10.2 nmol	95634	10.2	101.8 μl	32.0 °C	17.0 °C
15	CAT CCG TGC T	2970	30.7 μg / 10.3 nmol	93456	10.3	103.3 μl	32.0 °C	17.0 °C
16	AGG GCG TAA G	3108	24.9 μg / 8.0 nmol	119592	8.0	80.3 μl	32.0 °C	17.0 °C
17	TTT CCC ACG G	2970	30.7 μg / 10.3 nmol	93456	10.3	103.3 μl	32.0 °C	17.0 °C
18	GAG AGC CAA C	3037	25.1 μg / 8.3 nmol	117414	8.3	82.6 μl	32.0 °C	17.0 °C
19	CTG GGG ACT T	3050	28.6 μg / 9.4 nmol	102168	9.4	93.6 μl	32.0 °C	17.0 °C
20	ACC CGG TCA C	2964	29.5 μg / 9.9 nmol	98505	9.9	99.4 μl	34.0 °C	21.1 °C

## Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5 • 76185 Karlsruhe  
P.O. Box 100121 • 76231 Karlsruhe  
Phone: +49 (0) 721/ 5606-0  
Fax: +49 (0) 721/ 5606-149  
info@carlroth.com • www.carlroth.com

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The company is a limited partnership with headquarters in Karlsruhe, reg. court Mannheim HRA 100055. Roth Chemie GmbH, with headquarters in Karlsruhe, reg. court Mannheim HRB 100428, is the personally liable partner. Managing Director: André Houdelet. Sales tax identification number: DE 143621073.

<b>Roth Random Primer Kit A for RAPD-PCR</b>	20x 10 mer	<b>HP22.1</b>
<b>Roth Random Primer Kit B for RAPD-PCR</b>	20x 10 mer	<b>HP23.1</b>
<b>Roth Random Primer Kit C for RAPD-PCR</b>	20x 10 mer	<b>HP24.1</b>
<b>Roth Random Primer Kit D for RAPD-PCR</b>	20x 10 mer	<b>HP25.1</b>