

Minimum and average ODs for unmodified DNA oligos

Salt Free

		Length				
Synthesis scale		5 – 17 mer	18 – 35 mer	36 – 50 mer	51 – 80 mer	81 – 120 mer
10 nmol	minimum	3.0	4.0	7.0	—	—
	average	6.0	8.5	14.5	—	—
50 nmol	minimum	4.0	6.0	10.0	10.0	10.0
	average	8.0	12.5	20.0	25.0	30.0
200 nmol	minimum	10.0	12.0	20.0	25.0	25.0
	average	20.0	25.0	40.0	35.0	n/a
1 µmol	minimum	30.0	35.0	50.0	60.0	60.0
	average	n/a	n/a	n/a	n/a	n/a

		Length				
Synthesis scale		5 – 17 mer	18 – 35 mer	36 – 50 mer	51 – 80 mer	81 – 120 mer
10 nmol	minimum	1.5	2.0	2.5	—	—
	average	3.0	5.0	9.0	—	—
50 nmol	minimum	2.0	3.0	5.0	3.0	3.0
	average	4.0	7.5	15.0	15.0	15.0
200 nmol	minimum	4.0	6.0	10.0	10.0	10.0
	average	n/a	15.0	25.0	25.0	22.0
1 µmol	minimum	15.0	25.0	30.0	30.0	30.0
	average	n/a	40.0	50.0	45.0	n/a

HPLC

		Length				
Synthesis scale		5 – 17 mer	18 – 35 mer	36 – 50 mer	51 – 80 mer	81 – 120 mer
10 nmol	minimum	1.0	1.5	2.0	—	—
	average	2.5	4.0	6.0	—	—
50 nmol	minimum	2.0	2.5	3.0	3.0	3.0
	average	3.5	6.0	10.0	9.5	9.3
200 nmol	minimum	4.0	6.0	8.0	8.0	8.0
	average	6.5	13.5	17.5	14.0	10.0
1 µmol	minimum	10.0	10.0	20.0	20.0	20.0
	average	18.5	35.0	40.0	25.0	n/a

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		Length				
Synthesis scale		5 – 17 mer	18 – 35 mer	36 – 50 mer	51 – 80 mer	81 – 120 mer
50 nmol	minimum	0.5	0.5	0.5	0.5	0.5
	average	0.5	0.5	0.5	0.5	0.5
200 nmol	minimum	0.5	0.5	0.5	0.5	0.5
	average	0.5	0.5	0.5	0.5	0.5