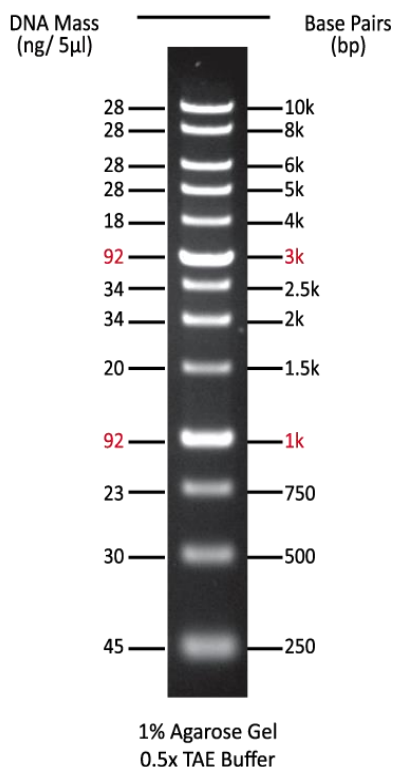


Azura PureView™ 1 kb DNA Ladder

Catalog No.	Pack Size and Presentation	Concentration
AZ-1101	100 Lanes / 1 x 500 µl	0.1 mg/mL
AZ-1105	500 Lanes / 5 x 500 µl	0.1 mg/mL
AZ-1105-2	1000 Lanes / 10 x 500 µl	0.1 mg/mL



- 13 sharp and bright bands from 250 bp – 10,000 bp
- Ready-to-use format with high-intensity reference bands at 1000 bp and 3000 bp
- Contains two loading and tracking dyes

Protocol for Use: Mix gently by inversion and use **5 µl per lane**. There is no need to add any additional loading buffer to the vial of ready-to-load PureView™ 1 kb DNA Ladder which contains two loading and tracking dyes. Xylene cyanol FF and bromophenol blue mimic the migration of 4,000 bp and 500 bp DNA fragments respectively during electrophoresis. See Table 1 on reverse side for additional electrophoretic separation guidelines.

Storage Conditions: PureView™ 1 kb DNA Ladder is shipped at 4°C. On arrival, store at -20°C for 36 months, 4°C for 12 months or 25 °C for up to 6 months.

Quality Control: PureView™ 1 Kb DNA Ladder is extensively tested prior to release to verify the sharpness of each band and a spectrophotometer for DNA concentration.

TABLE 1: Electrophoretic Separation Guidelines

Agarose Gel, %	Effective Range, bp	Bromophenol Blue in bp*		Xylene Cyanol FF in bp*	
		TBE Buffer	TAE Buffer	TBE Buffer	TAE Buffer
0.8	800 - 10000	320	530	4830	6500
0.9	600 - 10000	260	440	3770	5140
1.0	400 - 8000	220	370	3030	4160
1.2	300 - 7000	160	275	2070	2890
1.5	200 - 3000	110	190	1300	1840
2.0	100 - 2000	65	120	710	1040
3.0	25 - 1000	30	60	300	460

*The values indicate the size of DNA fragments in bp with which the dye will co-migrate