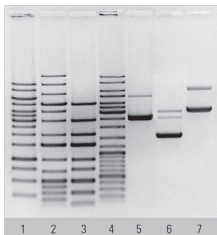


# TopVision Agarose Tablets

## Benefits of Thermo Scientific™ TopVision™ Agarose Tablets

- Convenient tablet format—no messy weighing
- Fast dissolving protocol
- Manufactured using a proprietary process that eliminates the use of organic solvents
- Enhanced resolution and reduced background



**Separation of Thermo Scientific™ GeneRuler™ DNA ladders and plasmid DNA on a 1% agarose gel (1X TAE, 7 V/cm, 40 min) prepared using TopVision Agarose Tablets.**

1. GeneRuler™ 1 kb DNA Ladder, ready-to-use (Cat. No. SM0313)
2. GeneRuler™ 1 kb Plus DNA Ladder, ready-to-use (Cat. No. SM1333)
3. GeneRuler™ Express DNA Ladder, ready-to-use (Cat. No. SM1553)
4. GeneRuler™ DNA Ladder Mix, ready-to-use (Cat. No. SM0333)
- 5–7. Plasmid DNA

## Protocol

1. Add appropriate number of agarose tablets to the electrophoresis buffer to prepare your desired gel percentage (see table on back side)
2. Soak tablet in buffer for 4 minutes
3. Heat in a microwave oven or boiling water bath

### Buffer for TopVision Agarose Tablets

Gel	1 tablet	2 tablets	3 tablets
0.8%	62.5 mL	125 mL	188 mL
1%	50 mL	100 mL	150 mL
1.5%	33 mL	67 mL	100 mL
2%	25 mL	50 mL	75 mL
x%	$\frac{50}{x} = \text{__ mL}$	$\frac{50 \times 2}{x} = \text{__ mL}$	$\frac{50 \times 3}{x} = \text{__ mL}$

### Specifications for TopVision Agarose Tablets

Specification	
Electroendosmosis (EEO)	≤0.13
Gelling point	36 ± 1.5°C (1.5% gel)
Melting point	88 ± 1.5°C (1.5% gel)
Moisture	≤10%
Gel strength	≥1,200 g/cm <sup>2</sup> (1% gel)
Impurities (DNases, RNases, and proteases)	None

### Recommended agarose percentages for DNA separation

Specification					
Agarose percentage	0.7%	0.9%	1.2%	1.5%	2.0%
DNA size range (kb)	0.8–10	0.5–7	0.4–6	0.2–4	0.1–3

### Ordering information

Product	Quantity	Cat. No.
TopVision Agarose Tablets (0.5 g each)	200 tablets	R2801
	1,000 tablets	R2802

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

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