

## PRODUCT INFORMATION

### Agarose SERVA FastSolve Tablets

(0.5 g/tablet), molecular biology grade

**Cat. No.: 11407**

## PRODUCT DESCRIPTION

Fast dissolving, multi-purpose agarose tablets delivered in a convenient blister pack. The agarose is pressed into tablets of 0.5 g each.

**Application:** Separation of nucleic acids (100 bp to > 30 kb), Southern- and Northern Blotting.

### Gel casting:

- Use a flask (2 – 4 x volume of the gel solution being prepared)
- Add agarose tablet to buffer according to table below and soak tablet in buffer for 2 min before heating.

Gel (%)	1.0	1.2	1.3	1.5	1.8	2.0
<b>1 tablet</b>	50 ml	42 ml	38 ml	33 ml	28 ml	25 ml
<b>2 tablets</b>	100 ml	83 ml	77 ml	67 ml	56 ml	50 ml
<b>3 tablets</b>	150 ml	125 ml	115 ml	100 ml	83 ml	75 ml

### To melt agarose using a water bath:

- Heat the slurry in a boiling water bath and boil the solution for 5 – 10 min, continuously stirring, until the agarose is completely dissolved.

### To melt agarose using a microwave:

- Heat the slurry on high power setting until it starts to boil and allow boiling for 30 s, remove the flask from microwave and swirl gently to suspend any remaining agarose particle.
- Reheat on high power for 10 – 20 s or until solution is clear and all particles are dissolved, remove the flask from microwave and swirl it gently. **Caution: The solution may be very hot.**
- Cool the solution to approx. 60 °C before casting the gel.

### Separation range of agarose gels:

Gel (%)	0.3	0.6	0.7	0.9	1.2	1.5	2.0
<b>Size (kb)</b>	60 - 5	20 - 1	10 - 0.8	7 - 0.5	6 - 0.4	4 - 0.2	3 - 0.1

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