

Preparing Agarose gels

Common Agarose gels: 1 - 2%

Percent gels based on the amount of dissolved agarose (% = g/ml)

Protocol

- Mass agarose
- Dissolve into 1X TAE Buffer
- Microwave to warm
- Microwave in short periods of time without over boiling
- Between heating, remove from microwave to swirl by hand and check clarity of solution (CAUTION: Extremely hot liquid - use PPE)
- Continue heating until clear
- Allow to cool to about 65°C (fairly warm to touch)
- Add SYBR Safe (10,000X) at a 1 ul / 10 ml ratio
- Pour into gel casting tray and insert comb until set.

Gel box references:

- miniOne gel trays = 18 mls per gel
- Edvotek tray = 80 mls per gel

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