



## Product information

# Precast Agarose Gel with Ethidium Bromide (EtBr)

Storage: 4°C

Cat. No.	Description	Quantity
TAE12-2PER- EB	Precast Agarose Gel TAE, 2%, 12 Well, EtBr Stained	20 gels/Box
TBE12-2PER- EB	Precast Agarose Gel TBE, 2%, 12 Well, EtBr Stained	20 gels/Box
TAE17-2PER- EB	Precast Agarose Gel TAE, 2%, 17 Well, EtBr Stained	20 gels/Box
TBE17-2PER- EB	Precast Agarose Gel TBE, 2%, 17 Well, EtBr Stained	20 gels/Box
TAE48-2PER- EB	Precast Agarose Gel TAE, 2%, 48 Well, EtBr Stained	10 gels/Box
TBE48-2PER- EB	Precast Agarose Gel TBE, 2%, 48 Well, EtBr Stained	10 gels/Box

### Product Description:

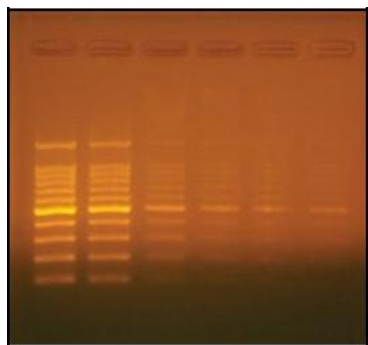
Ethidium bromide is the most commonly used dye for DNA and RNA detection in gels. Ethidium bromide is a DNA intercalator, inserting itself between the base pairs in the double helix. Ethidium bromide has UV absorbance maxima at 300 and 360 nm, and an emission maximum at 590 nm. The detection limit of DNA bound to ethidium bromide is 0.5 to 5.0 ng/band.

### Features:

- 2% Agarose, TAE, or TBE, EtBr (EB0195).
- Well Size:
  - Depth: 5mm
  - Dimension of Well:
    - 12 wells 6mm (l) X 1mm (w)
    - 17 wells 4mm (l) X 1mm (w)
    - 48 wells 8mm (l) X 1mm (w)
- Cassette Size:
  - 12 wells: 6 cm (l) X 10.8 cm (w) X 0.8cm (thick)
  - 17 wells: 6 cm (l) X 10.8 cm (w) X 0.8cm (thick)
  - 48 wells: 12 cm (l) X 10.8 cm (w) X 0.8cm (thick)
- Ready to use type.



**TAE17-2PER-EB:** Precast Agarose Gel TAE, 2%, 17 Well, EtBr Stained



**Figure 1.** Pre-made Agarose gel with EtBr using 2 % agarose gel in TAE buffer. Serial dilution of 100 bp DNA Ladder (TAKARA) were loaded in the amount of 650 ng, 390 ng, 130 ng, 65 ng, 32.5 ng and 13 ng From left to right. Gels were imaged using UV transilluminator.

### Storage & Handling:

- Pre-made Agarose gel can be kept for 6 months at 4°C.
- Keep container tightly closed in a dark and well-ventilated place.
- For laboratory use only.

### Caution:

- Use personal protective equipment. Wash hands at the end of workday.
- **Handle EtBr With Caution:** The major drawback to ethidium bromide is that it is a potent mutagen. Ethidium bromide solution must be handled with extreme caution and decontaminated prior to disposal.