

PRODUCT INFORMATION

SERVA TBE Clear G Agarose Tablets Cat. No.: 39806

PRODUCT DESCRIPTION

SERVA TBE Clear G Agarose Tablets are fast-solving tablets which contain TBE buffer and the non-carcinogenic, sensitive fluorescence dye SERVA DNA Stain Clear G. The composition is optimized to yield high resolution of sharp bands with high sensitivity and low background.

Storage: + 15 °C to + 30 °C, light protected

Application: For routine DNA and RNA gel electrophoresis and blotting analysis.

For preparation of an agarose gel use only RT or cooler dist. water.

IMPORTANT: DO NOT use hot water for dissolving the tablet.
DO NOT add any buffer.

Gel casting:

- Use a flask which is at least 3 times the volume of the final solution and dissolve the appropriate number of tablets in dist. water (see table below).

Gel (%)	1.0	1.2	1.3	1.5
1 tablet	50 ml	42 ml	38 ml	33 ml
2 tablets	100 ml	83 ml	77 ml	67 ml
3 tablets	150 ml	125 ml	115 ml	100 ml

- Before heating, soak the tablet in dist. water until it is dissolved (approx. 3 - 5 min).
- Heat the solution until it is clear and visually all particles are dissolved, let it cool down (ca. 50 °C) and cast the gel (thickness < 0.5 cm).
- Run the gel in 1x TBE buffer, e.g. 1:10 dilution of cat. no. 39320.
- Detection can be performed either with UV- or Blue light.

SERVA DNA Stain Clear G emits green fluorescence when bound to DNA or RNA. It has two secondary fluorescence excitation peaks (ca. 270 nm and 295 nm) and one strong excitation peak at 490 nm.