

# Atlas Agarose Tablets

Cat. No.	Pack Size
BA50201	100 x 0.5 g
BAS0040	10 x 0.5 g SAMPLE

### Storage & Shipping:

Store at RT, shipping at room temperature.

### Applications:

- Ideal for routine DNA and RNA gel electrophoresis and blotting assays
- Convenient tablet format—no messy weighing required
- Fast dissolving protocol

### Specification:

Melting point:  $88 \pm 1,5$  °C

Separation range: 100 bp to >30 kb

Product size: 100 tablets (0.5 g each)

### Description:

Each Atlas Agarose Tablet contains a pre-determined amount of standard melting point agarose, eliminating the need to weigh out loose agarose powder.

Atlas Agarose Tablets are packed in a convenient blister pack.

The purity of the agarose leads to an excellent transparency and a low background. This is especially important to obtain sharp and well-defined DNA and/or RNA bands with the highest sensitivity in the low molecular weight range.

The high quality of agarose allows the good detection of small DNA bands size below 100 bp.

### Protocol:

- Use the bottle or flask that is at least 3 times of the volume of the solution being prepared. Add an appropriate number of agarose tablets in the running **buffer**. See the table below to achieve needed gel percentage.

**Do NOT use hot buffer** for dissolving the tablet

Gel %	1 tablet	2 tablets	3 tablets
1%	50 ml	100 ml	150 ml
1,5%	33 ml	66 ml	100 ml
2%	25 ml	50 ml	75 ml

- Soak the tablet in the running **buffer** for 1-3 minutes (or until it is dissolved) before heating.
- For tablet dissolving use running buffer which is at room temperature.
- Heat the solution until it is clear and visually all the particles are dissolved.
- Cool the gel to 60-70°C
- If needed add DNA dye
- Cast the gel into the gel tray.
- The thickness of gel should be **<0.5cm**.
- Run the gel in used running buffer.
- Detect the bands under Blue light or UV illuminator.

**Safety warnings and precautions:**

Caution when using hot, viscous solutions! Use suitable safety gear and open bottle gently to avoid accidents.

This product is designed for research purposes and *in vitro* use only.

According to common laboratory safety practice, it is recommended to wear protective clothing, gloves and safety glasses. Please refer to [www.bioatlas.com](http://www.bioatlas.com) for Material Safety Data Sheet of the product.

*Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.*