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| Bioatlas_LOGO_horisontaal.png**Atlas Agarose Tablets**

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| **Cat. No.** | **Pack Size** |
| BA50201 | 100 x 0.5 g |

**Lot no:** 50201.1008 **Exp. Date:** 06.2024**Storage:** 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 ± 1,5 °CSeparation range: 100 bp to >30 kbProduct size: 100 tablets (0.5 g each) | **Bioatlas_LAUSE.png****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. | **Bioatlas_LAUSE.png****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

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| 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.
 | **Bioatlas_LAUSE.png*** Cool the gel to 60-70ºC
* 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:**Caution when using hot, viscous solutions! Use suitable safety gear and open bottle gently to avoid accidents.**Bioatlas**Riia 181a, 50411, Tartu, Estonia, tel: 55624867,e-mail: info@bioatlas.com, www.bioatlas.com |