|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bioatlas_LOGO_horisontaal.png  **Atlas Agarose Tablets**   |  |  | | --- | --- | | **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 °C  Separation range: 100 bp to >30 kb  Product 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   |  |  |  |  | | --- | --- | --- | --- | | 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 |