

## Data Sheet

# BioLock

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|-------------------------|---|
| <b>Description</b>      | <b>BioLock is a ready-to-use biotin blocking solution which contains the tetrameric biotin binding protein avidin. BioLock prevents biotin and biotinylated proteins from binding to Strep-Tactin® or Strep-Tactin®XT, whereas binding of the Twin-Strep-tag® and Strep-tag®II is not influenced.</b>   |
| <b>Form</b>             | Suspension  |
| <b>Activity</b>         | >70 U/ml (determined by HABA dye binding method)<br>Unit definition: 1 U avidin blocks 1 µg biotin  |
| <b>Molecular weight</b> | ~17 kDa (monomer)   |
| <b>Stability</b>        | 12 months after shipping  |
| <b>Storage</b>          | Reagent is stable at room temperature but does not contain any preservatives. Therefore, please aliquot and store at -20°C or aliquot under sterile conditions and store at room temperature. Protect from light.   |
| <b>Shipping</b>         | Room temperature  |
| <b>Hazards</b>          | Product is not classified as hazardous according to (EC) No 1272/2008 [CLP].<br>A Material Safety Data Sheet is provided.   |
| <b>Application</b>      | Culture media often contain significant amounts of biotin. This is especially the case for mammalian or insect cell culture media. Thus, if proteins from biotin containing extracts or media are intended to be purified via Strep-Tactin®, biotin must be masked by the addition of avidin prior to purification. Add at least 1 U of BioLock solution per µg of biotin. However, the biotin concentration in most cell culture supernatants is not critical for the binding capacity of Strep-Tactin®XT and supernatant can be loaded directly on the resin. Information on the biotin content of media and hosts can be obtained from the Biotin Blocking Protocol. |
| <b>Notes</b>            | In addition to avidin, this solution contains substantial amounts of lysozyme and ovotransferrin and further traces of other egg white proteins which do not interfere with Strep-tag® purification. Any occurring turbidities are not a quality defect and should be removed via centrifugation prior to use.  |

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