1. What this Product Does

Contents

<table>
<thead>
<tr>
<th>Vial</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albumin (BSA) 20 mg/ml</td>
<td>one vial of 20 mg</td>
</tr>
</tbody>
</table>

Storage buffer

50 mM Tris-HCl, 0.1 M NaCl, 0.25 mM EDTA, 1 mM 2-mercaptoethanol, 50% glycerol (v/v), pH approx. 7.6.

Storage and Stability

Stable at -15 to -25°C through the control date printed on the label.

Application

For maintaining enzyme stabilization.

2. Additional Information on this Product

Quality Control

Absence of deoxyribonucleases

1 µg λDNA is incubated with BSA for 16 h at 37°C in 10 mM Tris-HCl, 10 mM MgCl₂, 1 mM DTE, pH 7.5 (37°C). The concentration of BSA which shows no degradation of λDNA after agarose gel electrophoresis is > 0.75 mg/ml.

Absence of nicking activities

1 µg supercoiled pBR322 DNA is incubated with BSA for 16 h at 37°C in 10 mM Tris-HCl, 10 mM MgCl₂, 1 mM DTE, pH 7.5 (37°C). The concentration of BSA which shows no relaxing of the supercoiled structure of pBR322 DNA after gel electrophoresis is > 0.75 mg/ml.

Absence of ribonucleases

5 µg MS2 RNA are incubated with BSA for 4 h at 37°C in 10 mM Tris-HCl, 10 mM MgCl₂, 1 mM DTE, pH 7.5 (37°C). The concentration of BSA which produces no change in MS2 RNA after gel electrophoresis is > 1.00 mg/ml.

Absence of proteases

200 µg BSA are incubated with 80 mg Azocoll in 50 mM phosphate buffer pH 8. After 2 h incubation at 37°C no red azo colour is released (measured at 520 nm).

Absence of exonucleases

3 nmol of sonicated [³H]DNA (ca. 100 000 cpm/µg) from calf thymus are incubated with BSA in 100 µl incubation buffer for 4 h at 37°C. The amount of BSA that shows no release of radioactivity is > 0.75 µg/4 h.

3. Supplementary Information

3.1 Ordering Information

Ordering Information

Roche Applied Science offers a large selection of reagents and systems for life science research. For a complete overview of related products and manuals, please visit and bookmark our homepage http://www.roche-applied-science.com.

Changes to the previous version

Lot specific information is now included in the text and no longer shown in the label on the upper left-hand side of the Instruction for Use.