Protein Marker PS10 PLUS

Description/Preparation:
The Protein Marker PS10 is a mixture of 10 purified proteins which are re-dissolved 'ready-to-use' in loading buffer. The proteins resolve into 10 sharp bands in the range of 11-180 kDa when analysed by SDS-PAGE and stained with optimized dyes. **The marker is ready-to-use. There is no need to boil.**

Applications
- Monitoring of protein migration during SDS-polyacrylamide gel electrophoresis.
- Monitoring of protein transfer onto membranes during Western blotting.
- Sizing of proteins on SDS-polyacrylamide gels and Western blots.

Usage:
- Mini gel application: 10 µl/well; 5 µl per well blots
- Standard gel application: 20 µl/well; 10 µl per well for blots

Number of bands: 10
- 11, 17, 25, 35, 48, 63, 75, 100, 135, 180 kDa

Loading:
Loading Denaturing Polyacrylamide gels (SDS-PAGE):
- Thaw marker at room temperature or heat at 37 – 40 °C for a few minutes. Do not boil!
- Vortex gently to ensure the solution is homogeneous and load the ladder on SDS-polyacrylamide gel
- 10 µl per well for mini-gels, 5 µl per well for blots
- 20 µl per well for large gels, 10 µl per well for blots

1 ml marker is sufficient for 100 mini gels or 50 standard gels.
It is recommended to divide the marker into aliquots to avoid contamination of the stock solution.

Note:
Protein Marker PS10 is optimized for runs on 12 % SDS polyacrylamide gels. 8 to 10 % gels may cause proteins with low molecular weights to migrate with the dye front. On 12 to 15 % and gradient gels all bands are visible.

Quality Control
Tested in SDS-polyacrylamide gel electrophoresis and Western blotting.

Storage: at -20°C

Shipment: on blue ice

Ordering Information:

<table>
<thead>
<tr>
<th>Cat.-No.</th>
<th>Description</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>310003</td>
<td>Protein Marker PS10 PLUS (11-180 kDa)</td>
<td>500 µl</td>
</tr>
<tr>
<td>310004</td>
<td>Protein Marker PS10 PLUS (11-180 kDa)</td>
<td>5 x 500 µl</td>
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