Owi ECOlor® Prestained Protein Marker

Technical Data Sheet

References: 258502 - 258503

For RESEARCH USE ONLY

SIZE: 25 µL (5 lanes : 10-well gel) / 500 µL (100 lanes : 10-well gel)

STORAGE: Stable for up to 2 weeks at 25 °C or up to 3 months at 4°C. Store at -20°C for long term storage.

SHELF-LIFE: See expiration date on the tube for shelf-life when stored at -20°C.

PRODUCT DESCRIPTION:

The **Owi ECOlor® Prestained Protein Marker** includes 10 prestained proteins of 3 colors. It covers a large range of molecular weights from 6.5 kDa to 270 kDa. When running on Tris-Glycine buffered SDS-PAGE, seven out of ten proteins in **Owi ECOlor®** display **blue** bands since they are covalently labeled with a blue chromophore, the other three proteins show two **orange** bands (30 kDa and 270 KDa) and one **green** band (52 kDa). The **Owi ECOlor® Prestained Protein Marker** is ideal for protein separation monitored on SDS-PAGE as it allows to verify the efficiency of Western transfer to any membrane (e.g. PVDF, nitrocellulose or nylon) as well as to estimate the proteins sizes. The **Owi ECOlor® Pretained Protein Marker** is ready-to-use and includes the gel loading buffer.

INSTRUCTION FOR USE:

- ✓ 3 µL or 5 µL per loading for clear visualization during electrophoroesis on 15-well or 10-well mini-gel, respectively
- ✓ 2.5 µL per well for general Western transferring.

STORAGE BUFFER LIST:

62.5 mM Tris-H_3PO_4 (pH 7.5 at 25 °C), 1 mM EDTA, 2% SDS, 10 mM DTT, 1 mM NaN_3, 33% glycerol.

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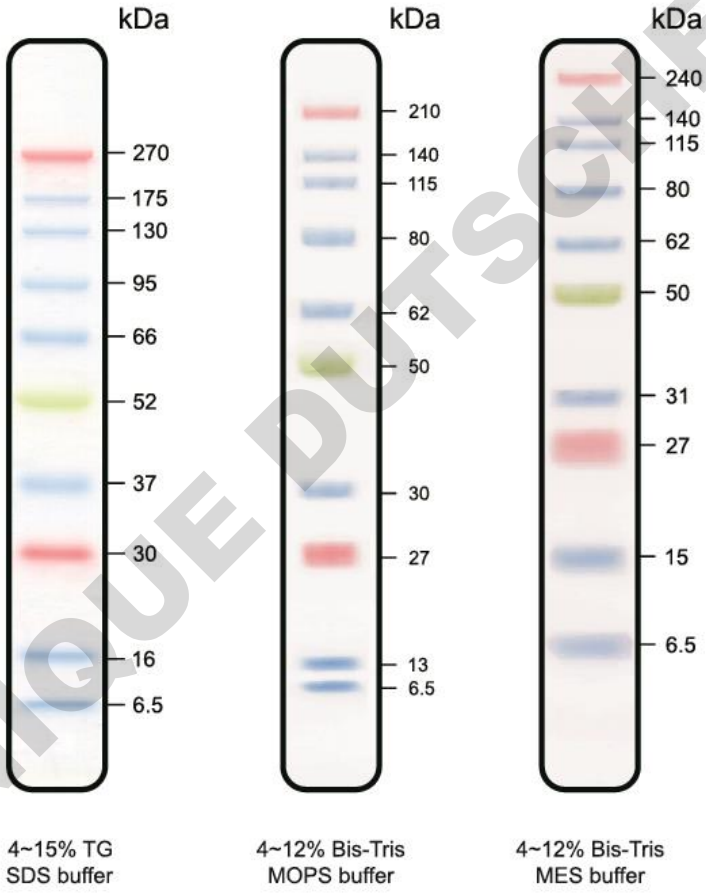
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QUALITY CONTROL:

Under suggested conditions, **Owi ECOlor® Prestained Protein Marker** resolves 10 major bands in 4 - 12% Bis-Tris Gel (MES buffer) and after Western blotting to the nitrocellulose membrane.

GUIDE FOR MOLECULAR WEIGHT ESTIMATION* (kDa)

Migration patterns of **Owi ECOlor® Prestained Protein Marker** in different electrophoresis conditions are showed below:



5 µL of **Owi ECOlor® Prestained Protein Marker per lane*

Note: The apparent molecular weight (kDa) of each protein has been determined by calibration against unstained protein standards; supplementary data should be considered for more accurate adjustment in different electrophoresis conditions.

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