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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

Ready-to-Hybridize Mouse Mammary Gland Developmental Northern Blot

Catalog #: MN-414-D

Quantity: 1 blot

Storage Conditions: Store in a sealed bag at room temperature or 4°C. It is good for several months.

Applications: Mouse Mammary Gland Northern blot can be used to:

- Analyze gene expression pattern in 9 different mammary gland tissues simultaneously.
- Determine size and relative abundance of specific messages.
- Identify alternative spliced forms.

Quality Control: Every step of preparation of the blot, from harvesting tissues and extraction of RNA to the blotting, is carefully monitored to ensure the superior quality and performance.

- Blot is made from total RNA that is treated with RNase-free DNase to remove residual DNA. The purity and integrity of RNA are tested by formaldehyde-denatured agarose gel electrophoresis.
- The efficiency of transfer is checked by staining gel with ethidium bromide.
- The integrity of the blotted RNA is tested by beta-actin specific probe.

Description: Total RNA (20 µg each) was extracted from freshly dissected mouse mammary gland tissues (CD1/ICR), fractionated through formaldehyde-denatured agarose gel, transferred to a positively charged nylon membrane, and cross-linked by UV light.

The band sizes of the RNA marker (major bands: 9kb, 6 kb, 5 kb, 4 kb, 3kb, 2.5 kb, 2kb, 1.5 kb, 1.0 kb and 0.5 kb) are marked on the membrane by a pencil.

Tissues on the blot: Mammary gland RNA samples were loaded in the following left to right order: (1) Mammary Gland non-pregnant, (2) Mammary Gland E10, (3) Mammary Gland E12, (4) Mammary Gland E14, (5) Mammary Gland E16, (6) Mammary Gland E18, (7) Mammary Gland D1 lactation, (8) Mammary Gland D3 lactation, (9) Mammary Gland D7 lactation, (10) Mammary Gland D1 involution, and (11) Mammary Gland D7 involution.

Hybridization: Prior to use, wet blot in water for few minutes. Zyagen blots can be hybridized with isotopic and non-isotopic DNA or RNA probes using any general protocol of Northern blot analysis. However, we recommend protocols published in the following books: "Short protocols in molecular biology" by Frederick Ausubel et al. and "RNA Methodologies" by Robert Farrell.

Stripping Probe: Blot is reusable for several times, just strip probe and re-hybridize with a new one. Keep blot wet until the previously hybridized probe has been removed. It is extremely difficult to completely remove hybridized probe from a membrane that has been allowed to dry.

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