

Ready-to-use Rat Frozen Microarray Tissue Sections

Catalog #: RAF-MT3

Quantity: 5 slides

Storage Conditions: Keep at -20oC for short-term storage and at -70oC for long-term storage in a tightly closed box or sealed bag. Sections are good for up to 1 year of the date of purchase if stored properly.

Applications: Rat frozen tissue sections are ideal for:

- Cellular localization of the protein of interest in rat tissues by immunohistochemistry.
- Cellular localization of the mRNA of interest in rat tissues by *in situ* hybridization or *in situ* PCR using both radioactive- and non-radioactive-labeled probes.

Description: Tissues are freshly harvested from Sprague Dawley rat and snapped frozen in O.C.T. freezing medium. Frozen tissues are cut at a thickness of 7-10 microns and mounted on slides treated for adherence. Each slide contains 1 to 4 sections depending on the size of the frozen tissue. All tissue preparation steps from harvesting to embedding in OCT medium are done in RNase-, DNase-, and protease-free conditions.

Shipping: Slides are shipped for O/N delivery on dry ice in a slide mailer or slide box.

Prior to use: Remove slide box/slide mailer from the freezer (don't open) and warm-up to the room temperature for at least 30 minutes. This step is necessary for prevention of water condensation on the slides. After opening the slide box or slide mailer, it is also recommended to leave slides at room temperature for an additional 10-15 minutes. Restore unused slides in the freezer as described above.

Tissues are not yet fixed and need to be fixed in one of the following fixatives depending on your applications: ice-cold acetone, ethanol, 4%paraformaldehyde, 10% buffered neutral formalin, or any other fixatives recommended for frozen tissue sections.

Slide Map: Sections of different tissue types were mounted in the following sequence.

		Lung	Ovary	Cerebellum	Tongue	Spleen			+
		Stomach	Uterus	Epididymis	Skeletal muscle	Testis			
		Skin	Pancreas	Intestine	Heart	Kidney			
		Thymus	Colon	Seminal vesicle	Midbrain	Liver			+

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