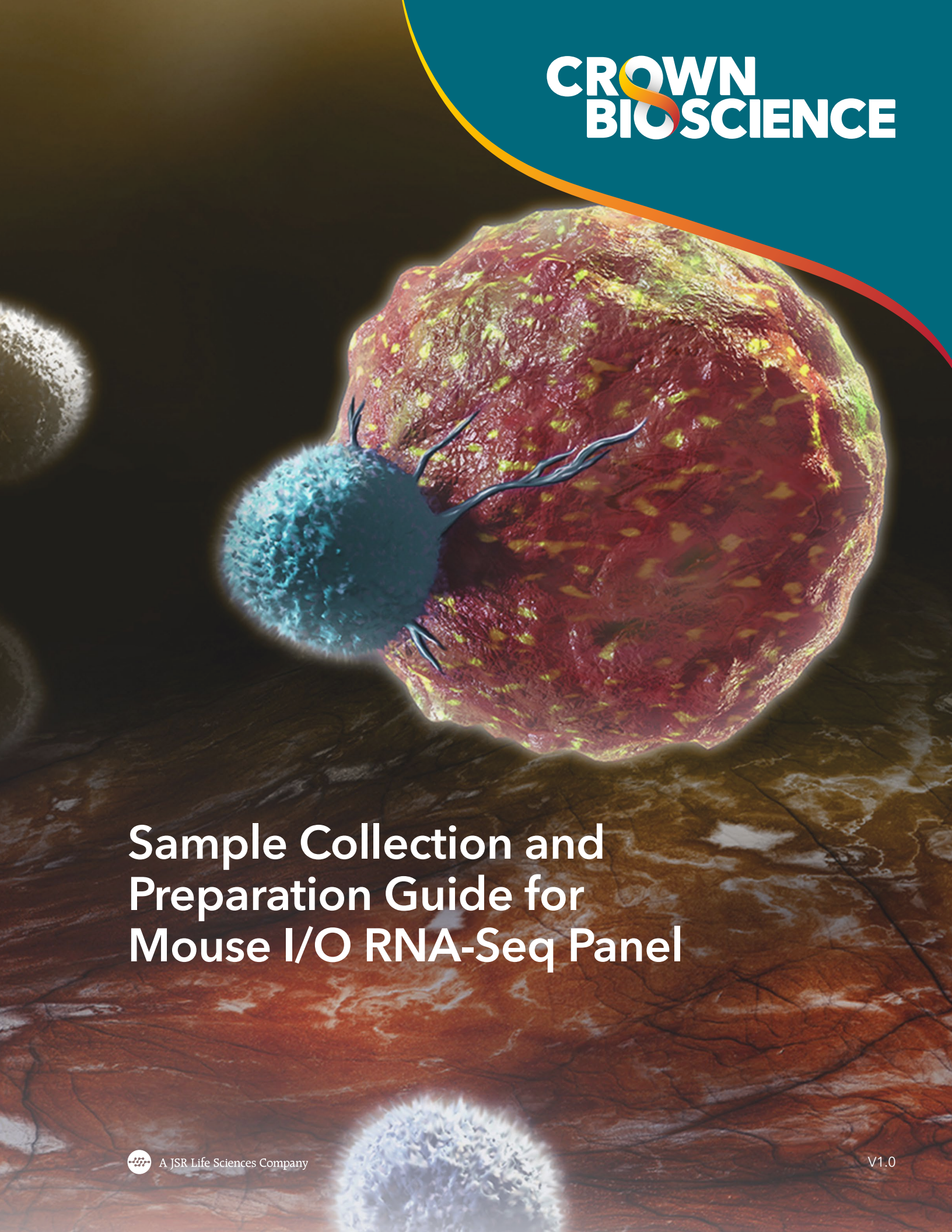
CROWN BIOSCIENCE



Sample Collection and Preparation Guide for Mouse I/O RNA-Seq Panel

A JSR Life Sciences Company

V1.0

Extracted RNA

- Please use RNase free water to elute the RNA.
- Please provide at least SOOng of RNA at a concentration of >50ng/μL.
- Samples should be stored and shipped with sufficient dry ice to avoid defrostring.

Fresh Tumor Lesion Tissue

- Specimens should be observed or photographed before taking samples, to confirm the location and range of the tumor, and to differentiate the tumor from surrounding and necrotic tissue. Necrotic tissue harvesting should be avoided due to the difficulty in extracting high quality RNA.
- Paired with 'para-carcinoma tissue': select tissue samples which are within 3cm of the cancer-foci's edge. Paired with 'normal tissue': select tissue samples which are at least Scm away from cancer-foci's edge or at the furthest edge of the cancer-foci (or at the surgical margin), and clearly label the distance from the cancer-foci. For hollow organs such as esophagus, stomach, intestines, gallbladder, bladder, etc., 'para carcinoma tissue' and 'normal tissue' should be taken from their corresponding 'mucosal tissues'.
- To ensure the required samples for pathological examination are provided, harvest adequate tumor and adjacent normal tissues. This is generally not less than 200mg or 5 million cells.
- Cut the sample as quickly as possible (<30min) once the specimen is isolated. Tumor and adjacent tissues should be cut into approximately 30mg pieces with a sample volume no less than 1g.
- Once the fresh tissue is taken, immediately add itto liquid nitrogen (-195.79°(), and store at -20°C or -80°C, or in 10% neutral buffered formalin solution.
- The transportation of frozen tissues requires low temperatures (dry ice). Formalin fixed tissues must be stored in the stationary liquid, transported at room temperature, and delivered within 72 hours.
- When delivering samples, please make sure the following information is clearly recorded: the name of the sending organization, the name of the patient, gender, age, contact information, department, diagnosis results, and any other pertinent information.

Immune Cell Pellet

- Please provide at least 5 million cells per sample.
- Wash cell pellet in buffer (e.g. PBS) twice.
- Aspirate the buffer as much as possible without disturbing cell pellet.
- Store cell pellet at -80°C until sample submission.
- Ship samples with sufficient dry ice to avoid defrosting.

Extracted RNA

- Please use tubes designed for RNA stabilization for whole blood collection (e.g. RNAprotect® Animal Blood Tubes (QIAGEN,Cat. 76544))
- Ensure that the tube is at room temperature (15-25°C) and labeled.
- Prepare the animal for blood collection (e.g. by tail, ear, or saphenous vein puncture), and immediately add blood to an RNA stabilizing blood collection tube. Note: Do not collect more or substantially less than volumes specified by the manufacturer.
- Immediately close the tube, and gently invert 8-1O times. Store upright at 15-25°C for up to 48 hours, at 2-8°C for up to 14 days, or at -1S°C or below for up to several months.
- Samples should be stored and shipped with sufficient dry ice to avoid defrosting.

Extracted RNA

- Harvest the spleen from the animal and immediately add it to liquid nitrogen (-195.79°C), and store at -20°C or -80°C.
- Samples should be stored and shipped with sufficient dry ice to avoid defrosting.

Get in touch

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