

Processing Item Information Sheet (PIIS)

“RNA Extraction from FFPE Tissue” Scheme [RNAFFC26]

This sheet contains all the information on the **FFPE Tissue Processing Item** that you should be aware of to conduct the above mentioned Scheme. **Please read carefully before performing any operation on the provided sample.**

Processing Item Description

- Source material: Human colon tissue.
- Preparation: Reagents used for histological processing and embedding are formalin, alcohol 75°C, alcohol 90°C, alcohol 95°C, alcohol 100°C, xylene substitute and paraffin.
- Date of Preparation: April 2014 (FFPE blocks). Sections will be prepared in September 2026.
- Testing of Biological Hazard: The source material is BSL 1.
- Biosafety level: All operations have been conducted in a BSL 2 environment.
- Homogeneity and Stability Information: Homogeneity and stability of the Processing Item will be controlled and confirmed in September 2026.

Instructions to Prepare the Processing Item for Extraction

- Any storage requirement between receipt and processing date: Store at Room Temperature. RNA extraction should be performed within 1 week of receipt.

Particular Handling/Safety Requirements

- Potential risks of Processing Item: Exempt of infectious risk.
- Individual protection equipment required: Standard laboratory equipment (laboratory coat, gloves).
- Waste elimination procedures: Waste generated by healthcare activities, to eliminate in incinerable plastic containers.

Scheme Specifications

- Please extract **RNA** from the Processing Item following your **usual routine RNA extraction method**.
- You will be asked to report information under the following scheme: **RNA Extraction from FFPE Tissue**.
- Please be ready to enter the **following information**:
 - Extraction method (phenol/trizol-based, magnetic bead-based, silica membrane-based, unsure, other);
 - Use of DNase;
 - Elution buffer composition (water, TE, other) and elution volume (µl);
 - Kit used for extraction.

What to Submit

- Once you have extracted RNA from the FFPE tissue (according to your extraction method), you pipet all the extracted RNA in the provided labelled Matrix 0.5 ml. The tube is already labelled with your Laboratory Number and the name of the Scheme (RNAFFC26). **Make sure to properly close the tube to avoid evaporation.**
- IBBL requires a **minimum of 20 µl** of extract to perform the downstream analyses planned.
- As soon as extracted, the RNA tube must be shipped to the following address, by using the courier of your choice:

IBBL, PT Programme
Biorepository – Laura GEORGES - First Floor
1B Rue Louis Rech
L-3555 Dudelange
LUXEMBOURG
Phone: +352 26970-521
Email: biorepository@ibbl.lu

- The extracted RNA can be temporarily stored at -80°C before shipment. In that case, the extracted RNA must be shipped to IBBL on dry ice.
- Shipment deliveries are accepted on weekdays between 08:30 and 16:30. Please note that IBBL cannot receive your sample on Saturdays nor Sundays.
- Your data must be submitted online to the PT website <http://biospecimenpt.ibbl.lu/> by employing the login credentials (User email and Password) used to create your account on the aforementioned PT platform.
- Please complete the questionnaire of the RNAFFC26 PT scheme as accurately as possible, adding any relevant detail and comment in the appropriate section. Please note that any data that could impact group assignment and alter the final evaluation even slightly, cannot be modified after data entry has been closed as ISO/IEC 17043 considers correct identification of methods and results as part of the participant's competence assessment.

Timelines

<i>Shipment of the extracted RNA to IBBL</i>	<i>Data Submission</i>	<i>Data analysis & Report preparation</i>	<i>Reports available</i>
Before 10 NOV 2026	17 NOV 2026, latest	20 NOV 2026 – 31 JAN 2027	March 2027

In case of doubts in the completion phase, please contact LIH/IBBL at IBBLPT@lih.lu