BostonGene

FFPE kit

Sample requirements and shipping

Tumor content for NGS

(Tumor Portrait® test)

40,000 tumor cells per specimen AND tumor content > 20% AND a tissue area > 5 mm^2

MSS can only be reported if tumor purity is ≥30%

Tumor content for IHC

(IHC add-on for Tumor Portrait test)

100 viable tumor cells for PD-L1 staining
50 viable tumor cells for MMR staining

General requirements

- We accept both FFPE blocks and unstained slides.
- Appropriate materials: resections, core-needle biopsies, cell blocks *(cell blocks are not accepted for IHC testing except NSCLC).*
- We only accept bone samples that are decalcified in EDTA.

FFPE Blocks

Required quantities

1 FFPE block (both for NGS and IHC testing).

Blocks specifications

- Less than 5 y. o., preferably from the most recent procedure.
- Prepared according to industry standards (e.g., tissue fixed in 10% neutral-buffered formalin for 6–72 hours), ID-labeled.

Unstained slides

Required quantities

- **For NGS:** 10 unstained slides + 1 H&E slide.
- **For IHC:** 1 additional unstained slide for PD-L1 and 4 additional unstained slides for MMR.

Slides specifications

- Less than 5 y.o., preferably from the most recent procedure.
- Freshly cut slides for IHC are preferred; however, if immediate analysis is not possible, they can be stored in a refrigerator at 4°C for no more than 2 weeks.
- Each unstained FFPE slide must have an unbaked 4 µm section on a positively charged slide. Make sequential sections; label all slides with the slice number (№ 1 from the top, etc.) and ID of the sectioned block.

Shipping

1. Place and label the samples properly

- Place the FFPE block or slides in the provided plastic container(s).
- Label the container(s) with at least 2 patient identifiers (name, DOB, MRN) and the date of collection using the provided stickers.

2. Pack the containers safely in the kit

Place the containers into the biohazard bag with absorbent paper and back into the provided cardboard box.

3. Collect supporting documentation and place it into the kit[1]

- Check that all required fields in the provided form have been completed.
- Insert documentation in the side pocket of the provided plastic bag (Pathology report; Gross description of the FFPE block specifying anatomical features; Microscopic descriptions for surgical and biopsy specimen(s); Descriptions and results of additional tests (IHC, flow cytometry, etc.)). Place it in the box.

4. Ship the specimens via FedEx

Ship the samples using the provided prepaid shipping label to the BostonGene Lab at 100 Beaver St, Suite 203, Waltham, MA, 02453.

[1]You can send supporting documentation by fax or email:
+1 781-552-3131 (9:00 AM–5:00 PM ET Monday–Friday)
ClientServices@bostongene.com BostonGene.com

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