

Solid Tumor **Molecular Testing**

Tech - Only Services

Tech-Only Microdissection

Pathologists ordering solid tumor molecular testing from NeoGenomics can perform the professional component of manual microdissection, and bill appropriately for professional services.

Client pathologists mark the most appropriate area of the tumor for testing, and NeoGenomics will do the rest.

- On an H&E slide, circle the target area for analysis. Aim to enrich to at least 30% tumor within the circle.
- Write the estimated percentage tumor within the circled area directly on the slide.
- Clients have then performed the professional component of manual microdissection and may bill for CPT code 88381-26.

Unlike other tech-only options, no data interpretation or report creation is required. NeoGenomics handles the entire testing and reporting process once the slide is marked and the sample is received.

Example



The tech-only microdissection option is available with the following tests:

- EGFR
- BRAF V600E for colon & lung
- KRAS
- BRAF V600E/K/D for melanoma



866.776.5907
www.neogenomics.com

Solid tumors undergoing molecular analysis are microdissected first to enrich the sample for abnormal tissue and increase the sensitivity for detecting mutations present in the tumor.

Manual microdissection has two steps:

- **The professional component:** Done on a representative H&E section, this is the selection, circling, and estimation of percentage tumor in the most important area of the tumor for testing. Either the referring pathologist or a NeoGenomics pathologist can perform this step.
- **The technical component:** This is the careful removal of the corresponding tumor area in other slides for molecular testing, using the circled H&E slide as reference. This step is always done by NeoGenomics.

NeoGenomics clients have the easy option to complete and bill for the professional component of manual microdissection when they order from NeoGenomics.

To order this option: On the blue Pathology Requisition, mark the desired molecular test(s) and the appropriate check-box for microdissection. If your requisition does not have a dedicated check-box, please write in "Tech-only microdissection".

Molecular Genetics (by PCR or RT-PCR)

Tech-Only Microdissection (available with BRAF, KRAS, and EGFR solid tumor testing only): referring pathologist must circle area of interest prior to referral of specimen.

<input type="checkbox"/> BRAF V600E (Colon, Lung)	<input type="checkbox"/> BCL-1 (CCND1)	<input type="checkbox"/> FLT3
<input type="checkbox"/> BRAF V600E/K/D (Melanoma)	<input type="checkbox"/> BCL-2	<input type="checkbox"/> NPM1
<input checked="" type="checkbox"/> EGFR	<input type="checkbox"/> B Cell Clonality	<input type="checkbox"/> MPN Reflex Panel
<input type="checkbox"/> KRAS	<input type="checkbox"/> T Cell Clonality	<input type="checkbox"/> JAK2 V617F

CPT Code: Clients may bill 88381-26 when they perform the professional component of manual microdissection. This CPT code may be applied once per specimen even if multiple tests are ordered. NeoGenomics will bill 88381-TC for the technical component of microdissection, plus the molecular test CPT codes, according to standard practice.

Availability: May be ordered in combination with EGFR, KRAS, BRAF V600E, and/or BRAF V600E/K/D mutation analysis. The tech-only microdissection option is not currently available on any other molecular or FISH testing.

Specimen requirements:

- Preferred: 1 circled H&E, percent tumor marked, plus block
- Acceptable: 1 circled H&E, percent tumor marked, plus 4-5 slides cut at 5 microns

Please try to circle an area containing at least 30% tumor tissue and mark this percentage on the slide. Notation of percentage tumor is required. More slides may be requested if sample is small or multiple tests are ordered.

Turnaround time: Solid tumor molecular testing with microdissection is completed within 7 days.



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