



UNIVERSITÄTS KLINIKUM HEIDELBERG

Heidelberg University Hospital | Im Neuenheimer Feld 400 | 69120 Heidelberg

Prescriber instructions for CSF Liquid Biopsy – external prescribers

Indications for CSF Liquid Biopsy with NGS panel

- Patient with (suspected) **primary or secondary brain tumour**:
 - a) Initial diagnosis
 - b) Follow-up
 - c) Identification of molecular markers
- Patient with **(suspected) carcinomatous meningitis**

Sampling (instructions for the physician)

1. **Patient consent** according to local standards including agreement to the dispatching of samples and genetic analyses
2. CSF and blood sampling and labelling of the samples:
 - a. 6-8 mL **CSF in a Falcon or Streck cell-free DNA tube**
 - b. **Full blood** in a **9 mL-EDTA tube**
 - c. CSF/Serum for cytology and routine analyses (cells, glucose, proteins, albumin, lactate)

Sample preparation (instructions for the local laboratory)

3. Separation of the CSF cells and supernatant through centrifugation (cf. SOP) and routine analyses according to local standards.
4. Dispatching of cell-free supernatant and EDTA-blood, labelled with patient name and date of birth to the "Liquid Biopsy Labor" (cf. infra)

Registration and request

5. Fill out the **liquid biopsy request form** and send with the samples to the "Liquid Biopsy Lab Hirntumore" of the university hospital Heidelberg.

Address:

Universitätsklinik Heidelberg, Kopfklinik

Liquid Biopsy Lab Hirntumore

Im Neuenheimer Feld 400

69120 Heidelberg

Phone number: +49 6221 56-35603 (Sandy Walter) oder +49 6221 56-38265 (Andrea Dormann)

6. **ALWAYS send your contact information and report the dispatch** by email to: liquidbiopsy.NEU@med.uni-heidelberg.de

The liquid biopsy results will be sent per email with a patient ID (pseudonym). The ID corresponding to your patient will be sent to you by fax after reception of the sample. **Please always provide a fax number!** Should you wish to get the results in a different way, please let us know per email.

Neurological Clinic
Prof. Dr. Wolfgang Wick
Medical Director
Im Neuenheimer Feld 400
69120 Heidelberg

Pathology Institute
Neuropathology Department
Prof. Dr. A. von Deimling
Medical Director
Im Neuenheimer Feld 224
69120 Heidelberg

Liquid Biopsy Brain Tumours

PD Dr. Tobias Kessler
Prof. Dr. Dr. Felix Sahm

liquidbiopsy.NEU@med.uni-heidelberg.de

Im Neuenheimer Feld 400
69120 Heidelberg
Germany
Tel. +49 6221 56-311455
Fax +49 6221 56-5297
www.klinikum.uni-heidelberg.de



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Assay – CSF liquid biopsy

The assay is a next-generation sequencing on cell-free DNA. The panel currently contains around 200 genes relevant for brain tumours. Results are discussed in a neurological liquid biopsy board and the interpretation is reported in writing. This allows for the identification of characteristic variants (e.g IDH, H3, EGFR, TERT) and gives indications on the tumour itself and its activity.

This analysis is currently experimental. The use of the results for therapeutical decisions remains the sole responsibility of the treating physician.

Neurologische Klinik
Prof. Dr. Wolfgang Wick
Ärztlicher Direktor
Im Neuenheimer Feld 400
69120 Heidelberg

Pathologisches Institut
Abteilung Neuropathologie
Prof. Dr. A. von Deimling
Ärztlicher Direktor
Im Neuenheimer Feld 224
69120 Heidelberg

Liquid Biopsy Hirntumore

PD Dr. Tobias Kessler
Prof. Dr. Dr. Felix Sahm

liquidbiopsy.NEU@med.uni-heidelberg.de

Im Neuenheimer Feld 400
69120 Heidelberg
Germany
Tel. +49 6221 56-7075
Fax +49 6221 56-7554
www.klinikum.uni-heidelberg.de