

# Service Specification of the Molecular Profiling and Screening Core Facility

Valid from: 22.06.2026

Analysis	Mode of measurement	Sample material / Test material	Required Sample Amount	Sample transport	State of Accreditation
Methylation Analysis	Illumina Microarray-Technology	Human DNA from Fresh Frozen Material and from FFPE based material	500ng -1000 ng (FrFr) 200ng - 500 ng (FFPE)	On ice or on dry ice. From External: Shipping by courier on dry ice	Service on Human Methylation EPIC v2.0 accredited since 05/2023 (DIN EN ISO/IEC 17025:2018) SOP_W110_LAB_DNA_M06-Methylierung (V7.0) [Flex C]
Methylation Analysis	Illumina Microarray-Technology	Mouse DNA from Fresh Frozen Material	500ng -1000 ng (FrFr)	On ice or on dry ice. From External: Shipping by courier on dry ice	Service on Mouse Methylation285k Not accredited
Expression Profiling	Thermo Fisher Scientific Microarray-Technology	RNA from human, mouse, rat, or other species	500 ng	On ice or on dry ice. From External: Shipping by courier on dry ice	Not accredited
			Low input samples: > 5ng		
Genotyping	Illumina Microarray-Technology	Human DNA from Fresh Frozen Material and from FFPE based material	>500 ng DNA	On ice or on dry ice. From External: Shipping by courier on dry ice	Not accredited
Multiplex Immunoassays of Proteins	OLINK PEA Technology	Human or Mouse Protein Lysate, Serum, Plasma, Conditioned Media....	>20µl	On dry ice. From External: Shipping by courier on dry ice	Not accredited
Droplet Digital PCR (ddPCR) or digital PCR (dPCR)	QX700 (dPCR, Bio-Rad)	PCR reaction	Project-specific	On room temperature External users: Please inquire	Not accredited

## Abbreviations:

DNA: Desoxyribonukleinsäure    RNA: Ribonukleinsäure    FFPE: Formalin fixed paraffin embedded    PEA: proximity extension assay    PCR: Polymerase chain reaction

The list is a snapshot and is supplemented and updated by the laboratory at regular intervals. In the flexibly accredited areas, the laboratory is authorized to include further procedures without the need for information and approval from DAkkS. If the test method you require is not listed, simply contact [m.bewerunge@dkfz.de](mailto:m.bewerunge@dkfz.de) . We will then be happy to carry out a feasibility check for you free of charge.