

# Service Specification of the Microarray Core Facility

Gültig ab: **04.06.2025**

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 accredited since 01/2019 (DIN EN ISO/IEC 17025)
					Service on Human Methylation EPIC v2.0 accredited since 05/2023 (DIN EN ISO/IEC 17025)
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		
miRNA Profiling	Agilent Microarray-Technology	Total RNA including microRNAs	500 ng total RNA	On ice or on dry ice. From External: Shipping by courier on dry ice	Not accredited
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
Kinase Activity Profiling	Pamgene Microarray-Technology	Human or Mouse Protein Lysate	> 5µg Proteinlysate (STK) > 10µg Proteinlysate (PTK)	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

## Abbreviations:

DNA: Desoxyribonukleinsäure      RNA: Ribonukleinsäure      FFPE: Formalin fixed paraffin embedded      PEA: proximity extension assay

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.