

# DIN EN ISO 23118:2021-08 (E)

## Molecular in vitro diagnostic examinations - Specifications for pre-examination processes in metabolomics in urine, venous blood serum and plasma (ISO 23118:2021)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword .....		4
Introduction .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	General considerations .....	8
5	Urine .....	9
5.1	Outside the laboratory .....	9
5.1.1	Urine collection .....	9
5.1.2	Transport requirements .....	10
5.2	Inside the laboratory .....	10
5.2.1	Specimen reception .....	10
5.2.2	Storage requirements .....	11
5.2.3	Urine sample processing .....	11
5.2.4	Long-term storage requirements for urine samples .....	11
5.2.5	Urine thawing .....	11
6	Blood .....	12
6.1	Outside the laboratory .....	12
6.1.1	Primary collection .....	12
6.1.2	Transport of pre-processed specimens to laboratory .....	13
6.2	Inside the laboratory .....	13
6.2.1	Specimen reception .....	13
6.2.2	Sample processing .....	14
6.2.3	Transport of processed samples to a laboratory for metabolomics analysis or transport to a biobank .....	14
6.2.4	Long-term storage requirements .....	14
6.2.5	Serum and plasma thawing and use .....	15
Annex A (informative)	Instability of the metabolome .....	16
Bibliography .....		22