

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Known practices for instrument characterization
4.1	Repeatability
4.1.1	General
4.1.2	Procedures
4.2	Reproducibility
4.2.1	General
4.2.2	Determination of temporal reproducibility
4.2.3	Determination of instrument reproducibility
4.2.4	Data collection and analysis
4.3	Accuracy
4.4	Quality of the influx spectrum
5	Reference materials for assessment of performance
5.1	Reference materials for comparison to the manufacturer's specifications
5.2	Reference materials for comparison between identical models
5.2.1	General
5.3	Reference materials for comparison between different models
5.3.1	General
5.3.2	Measurements
5.3.3	Determination of instrument differences
6	Reported performance results
6.1	Conformance to factory specifications
6.2	Inter-instrument agreement
6.3	Inter-model agreement
6.4	Repeatability
6.5	Reproducibility
6.6	Assessment of accuracy