

ISO 20184-1:2018 (E)

Molecular in vitro diagnostic examinations — Specifications for pre-examination processes for frozen tissue — Part 1: Isolated RNA

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	General considerations
5	Outside the laboratory
5.1	Specimen collection
5.1.1	General
5.1.2	Information about the specimen donor/patient
5.1.3	Information about the specimen
5.1.4	Specimen processing
5.2	Fresh tissue transport requirements
5.2.1	General
5.2.2	Preparations for the transport
5.2.3	During transport
6	Inside the laboratory
6.1	Information about the reception of the specimen
6.2	Evaluation of the pathology of the specimen and selection of the sample(s)
6.3	Freezing of the specimen or sample(s)
6.4	Storage requirements
6.5	Isolation of RNA
6.5.1	General
6.5.2	Requirements and recommendations
6.5.3	Using commercial kits
6.5.4	Using the laboratories own protocols
6.6	Quantity and quality assessment of isolated RNA
6.7	Storage of isolated RNA
6.7.1	General
6.7.2	Using commercially available kits for RNA isolation
6.7.3	Using the laboratory's own protocols for RNA isolation
Annex A	(informative) Impact of pre-examination variables on RNA profiles obtained from frozen liver tissue samples collected during and after routine surgery
A.1	Comparison of stable and unstable genes identified under ischaemic conditions
A.2	Recommendations based on the results