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TD2021IDCR

Summary of Major Modifications

The *Technical Document* (*TD*) on Minimum Criteria for Chromatographic-Mass Spectrometric Confirmation of the Identity of Analytes for *Doping Control* Purposes, TD2021IDCR, has been revised to align with the 2021 World Anti-Doping Code (Code); the recently approved 2021 *International Standard* for Laboratories (ISL); and, the other *International Standards* that are set to come into force on 1 January 2021.

The main changes in the TD2021GH include:

Article 3.2 Clarifications regarding the selection and use of the Reference Diagnostic Ion applied to obtaining the Retention Time and to calculate the Relative Abundances of the Analyte's Diagnostic Ions have been provided. For this, the following additional requirement in the Mass Spectrometric Identification Criteria has been included:

"The most abundant Diagnostic Ion acquired from a Reference Specimen is the Reference Diagnostic Ion, which shall be applied to the calculation of the Relative Abundances. The same ion shall be applied as the Reference Diagnostic Ion from the Sample chromatogram, and shall be used to calculate the Relative Abundances of the other Diagnostic Ions, even if it is not the most abundant Diagnostic Ion in the Sample chromatogram."

Moreover, a recommendation has been included that more than the minimum required number of Diagnostic Ions should be acquired, which, in any case, shall also be validated and evaluated considering the identification criteria established in this *TD*.

Article 4.0 The definitions of Reference Diagnostic Ion, Reference Specimen, Retention Time and Relative Retention Time have been included to facilitate interpretation.

The TD2021IDCR replaces the former TD2015IDCR and becomes effective on 1 April 2021.