

115.1 - Forensic Materials

These SRMs are intended for use in the calibration of instruments and techniques for use in forensics analyses.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Ethanol Solutions

SRM	Description	Unit Size	Nominal Concentration (mass fraction in %)
1828c	Ethanol-Water Solutions (Six Levels)	6 x 1.2 mL	0.02, 0.04, 0.08, 0.1, 0.2, 0.3
2891	Ethanol-Water Solution (Nominal Mass Fraction 0.02 %)	5 x 1.2 mL	0.02
2892	Ethanol-Water Solution (Nominal Mass Fraction 0.04 %)	5 x 1.2 mL	0.04
2893a	Ethanol-Water Solution (Nominal Mass Fraction 0.08 %)	5 x 1.2 mL	0.08
2894	Ethanol-Water Solution (Nominal Mass Fraction 0.1 %)	5 x 1.2 mL	0.1
2895	Ethanol-Water Solution (Nominal Mass Fraction 0.2 %)	5 x 1.2 mL	0.2
2896	Ethanol-Water Solution (Nominal Mass Fraction 0.3 %)	5 x 1.2 mL	0.3
2897a	Ethanol-Water Solution (Nominal Mass Fraction 2 %)	5 x 10 mL	2
2898a	Ethanol-Water Solution (Nominal Mass Fraction 6 %)	5 x 10 mL	6
2899a	Ethanol-Water Solution (Nominal Mass Fraction 25 %)	5 x 10 mL	25
2900	Ethanol-Water Solution (Nominal Mass Fraction 95.6%)	5 x 10 mL	95.6

Drug of Abuse

			Constituent
1507b	11-Nor-Delta-9-Tetrahydrocannabinol-9-Carboxylic Acid in Freeze-Dried Urine	set (3)	2 levels (THC-9-COOH)(Benzoyllecgonine)

DNA Profiling and Nucleic Acid Materials

2372a	Human DNA Quantitation Standard	3 vials x 50 µL	Copy Number and Mass Concentration, three types
2374	DNA Sequence Library for External RNA Controls	96 tubes, 1 each	External or "spike-in" controls for assessment of gene expression
2391d	PCR-Based DNA Profiling Standard	5 vials, 1 each	PCR testing for genotypes and haplotypes
8230	<i>Saccharomyces cerevisiae</i> NE095 Cells for Cell Counting and DNA-based Detection (freeze dried)	16 vials (12 yeast, 4 matrix)	Freeze-dried cells per vial
8375	Microbial Genomic DNA Standards for Sequencing Performance Assessment (MG-001, MG-002, MG-003, MG-004)	4 vials, 1 each	Microbial whole genome
8376	Microbial Pathogen DNA Standards for Detection and Identification	20 tubes, 1 each	Genomic DNA sequences
8391	Human DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002)	1 vial	Variant calling from genome sequencing
8391(QTY10)	Human DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002)	10 vials of RM 8391	Variant calling from genome sequencing
8392	Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-002, HG-003, HG-004)	3 vials, 1 each	Variant calling from genome sequencing
8393	Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005)	1 vial	Variant calling from genome sequencing
8393(QTY10)	Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005)	10 vials of RM 8393	Variant calling from genome sequencing
8398	Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry)(HG-001)	1 vial	Variant calling from genome sequencing
8398(QTY10)	Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) (HG-001)	10 vials of RM 8398	Variant calling from genome sequencing

Standard Bullet Replica and Cartridge Case

2460a	Standard Bullet Replica	each	Cross Correlation Function Mass, Signature Difference
2461	Standard Cartridge Case	1 each	Cross Correlation Function Max, Signature Difference

- Certified values are normal font.

- Non-certified and reference values are italicized.

- Values of potential interest and information values are within parentheses.