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 %)
<u>1828c</u>	Ethanol-Water Solutions (Six Levels)	6 x 1.2 mL	0.02, 0.04, 0.08, 0.1, 0.2, 0.3
<u>2891</u>	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
<u>1507b</u>	11-Nor-Delta-9-Tetrahydrocannabinol-9-Carboxylic Acid in Freeze-Dried Urine	set (3)	2 levels (THC-9-COOH)(Benzoylecgonine)

DNA Profiling and Nucleic Acid Materials

DNA Sequence Library for External RNA Controls 2391d PCR-Based DNA Profiling Standard 5 vials 96 tubes External or "spike-in" controls for assessment of expression 5 vials PCR testing for genotypes and haplotypes 2391d Saccharomyces cerevisiae NE095 Cells for Cell Counting and DNA-based Detection (freeze dried) 8375 Microbial Genomic DNA Standards for Sequencing Performance Assessment (MG-001, MG-002, MG-003, MG-004) 8376 Microbial Pathogen DNA Standards for Detection and Identification 20 tubes Genomic DNA sequences 3391 Human DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8391(OTY10) Human DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8392 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8393 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi Jewish Ancestry) (HG-003) 8393 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi Jewish Ancestry) (HG-003) 8393 Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) 8393(OTY10) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) 8398 Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) (HG-001) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) (HG-001) Base of Daughter of Utah/European Ancestry) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/Europe				
2391d PCR-Based DNA Profiling Standard 5 vials PCR testing for genotypes and haplotypes 3230 Saccharomyces cerevisiae NE095 Cells for Cell Counting and DNA-based Detection (freeze dried) 8375 Microbial Genomic DNA Standards for Sequencing Performance Assessment (MG-001, MG-002, MG-003, MG-004) 8376 Microbial Pathogen DNA Standards for Detection and Identification 20 tubes Genomic DNA sequences 8391 Human DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8391(QTY10) Human DNA for Whole-Genomet Variant Assessment (Family Trio of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8392 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8393 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-004) 8393 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-004) 8393 Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) 8393 Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) 8398 Human DNA for Whole-Genome Variant Assessment (Doughter of Utaly/European Ancestry) (HG-001) 8398 Human DNA for Whole-Genome Variant Assessment (Doughter of Utaly/European Ancestry) (HG-001)	<u>2372a</u>	Human DNA Quantitation Standard	3 vials x 50 μL	Copy Number and Mass Concentration, three types
Saccharomyces cerevisiae NE095 Cells for Cell Counting and DNA-based Detection (freeze dried) Microbial Genomic DNA Standards for Sequencing Performance Assessment (MG-001, MG-002, MG-003, MG-004) Microbial Pathogen DNA Standards for Detection and Identification Microbial Pathogen DNA Standards for Detection and Identification DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Muman DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Muman DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Muman DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Muman DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-003, HG-004) Mariant calling from genome sequencing	<u>2374</u>	DNA Sequence Library for External RNA Controls	96 tubes	External or "spike-in" controls for assessment of gene expression
Detection (freeze dried) Microbial Genomic DNA Standards for Sequencing Performance Assessment (MG-001, MG-002, MG-003, MG-004) Microbial Pathogen DNA Standards for Detection and Identification 20 tubes Genomic DNA sequences Human DNA for Whole-Genome Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Human DNA for Whole-Genomet Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Human DNA for Whole-Genomet Variant Assessment (Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-002) Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-004) Wariant calling from genome sequencing (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry)(HG-001) Wariant calling from genome sequencing (Daughter of Utah/European Ancestry)(HG-001)	2391d	PCR-Based DNA Profiling Standard	5 vials	PCR testing for genotypes and haplotypes
(MG-001, MG-002, MG-003, MG-004) 8376 Microbial Pathogen DNA Standards for Detection and Identification 20 tubes Genomic DNA sequences 8391 Human DNA for Whole-Genome Variant Assessment 1 vial Variant calling from genome sequencing 8391(QTY10) Human DNA for Whole-Genomet Variant Assessment 10 vials of RM 8391 Variant calling from genome sequencing 8392 Human DNA for Whole-Genomet Variant Assessment (Family Trio of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8393 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-003, HG-004) 8393 Human DNA for Whole-Genome Variant Assessment 1 vial Variant calling from genome sequencing 8393 Variant calling from genome sequencing 8393 (QTY10) Human DNA for Whole-Genome Variant Assessment 10 vials of RM 8393 Variant calling from genome sequencing 8393 (QTY10) Human DNA for Whole-Genome Variant Assessment 10 vials of RM 8393 Variant calling from genome sequencing 8398 Human DNA for Whole-Genome Variant Assessment 1 vial Variant calling from genome sequencing 8398 (DTY10) Human DNA for Whole-Genome Variant Assessment 1 vial Variant calling from genome sequencing	8230	,	16 vials (12 yeast, 4 matrix)	Freeze-dried cells per vial
Microbial Pathogen DNA Standards for Detection and Identification 20 tubes Genomic DNA sequences	<u>8375</u>		4 vials, 1 each	Microbial whole genome
(Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) 8391(QTY10) Human DNA for Whole-Genomet Variant Assessment (Family Trio of Eastern Suropean Ashkenazi Jewish Ancestry) (HG-002) 8392 Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern Suropean Ashkenazi & Jewish Ancestry) (HG-002, HG-003, HG-004) 8393 Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) 8393(QTY10) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) 8398 Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-001) 8398 Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry) (HG-001)	8376		20 tubes	Genomic DNA sequences
(Son of Eastern European Ashkenazi Jewish Ancestry) (HG-002) Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-002, HG-003, HG-004) Wariant calling from genome sequencing Variant calling from genome sequencing	<u>8391</u>		1 vial	Variant calling from genome sequencing
Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern European Ashkenazi & Jewish Ancestry) (HG-002, HG-003, HG-004) Nariant calling from genome sequencing Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Nariant calling from genome sequencing (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry)(HG-001) Nariant calling from genome sequencing (Daughter of Utah/European Ancestry)(HG-001)	8391(QTY10)		10 vials of RM 8391	Variant calling from genome sequencing
(Son of Chinese Ancestry) (HG-005) 8393(QTY10) Human DNA for Whole-Genome Variant Assessment (Son of Chinese Ancestry) (HG-005) Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry)(HG-001) 8398 Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry)(HG-001)	8392	Human DNA for Whole-Genome Variant Assessment (Family Trio of Eastern	3 vials, 1 each	Variant calling from genome sequencing
(Son of Chinese Ancestry) (HG-005) 8398	<u>8393</u>		1 vial	Variant calling from genome sequencing
Human DNA for Whole-Genome Variant Assessment (Daughter of Utah/European Ancestry)(HG-001) S208(OTV10) Human DNA for Whole-Genome Carome Variant Assessent 1 vial Variant calling from genome sequencing	8393(QTY10)		10 vials of RM 8393	Variant calling from genome sequencing
9209/OTV10\ Human DNA for Whole-Genome Genome Variant Assessent 10 vials of PM 9209	<u>8398</u>	Human DNA for Whole-Genome Variant Assessment	1 vial	Variant calling from genome sequencing
(Daughter of Utah/European Ancestry) (HG-001)	8398(QTY10)	Human DNA for Whole-Genome Genome Variant Assessent	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
<u>2461</u>	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.