

RT042 ISBT 128 Data References for use in Electronic Messages

Text Name	Description	Data Example	XML Element Tag	URL	Object Identifier (OID)	HL7 IBT0001 Code Table Value
ABO RhD	ISBT 128 two character ABO/RhD code. See Table RT005 for acceptable values and their interpretation.	51	ABORhD	https://www.isbt128.org/uri/ABORhD	2.16.840.1.113883.6.18.2.3	IBT1-0005
Blood Groups	Four character code corresponding to an ISBT 128 Blood Group [ABO and RhD] [Data Structure 002]. See Table RT005 and Table RT006 for acceptable values and their interpretation.	5100			2.16.840.1.113883.6.18.1.2	IBT1-0004
Chain of Identity Identifier	Fifteen character code corresponding to an ISBT 128 Chain of Identity Identifier [Data Structure 040].	CHA999922ABC123	ChainOfIdentityIdentifier	https://www.isbt128.org/uri/ChainOfIdentityIdentifier		
Collection Date and Time ISO	A date and time in xml dateTime format with optional (recommended) UTC offset corresponding to a collection date.	2020-02-02T14:49:32-06:00	CollectionDateTime	https://www.isbt128.org/uri/CollectionDateTime	2.16.840.1.113883.6.18.3.4	IBT1-0055
Collection Date	Six digit code corresponding to a collection date as defined for ISBT 128 Data Structures 006 and 007.	008120			2.16.840.1.113883.6.18.1.6	IBT1-0016
Collection Time	Four digit code corresponding to a collection time as defined for ISBT 128 Data Structure 007.	1900			2.16.840.1.113883.6.18.2.12	IBT1-0017
Collection Type	Single character code corresponding to the sixth character of an ISBT 128 Product Code [Data Structure 003] and specifying collection type. See Table RT008 for acceptable values and their interpretation. The use of this depends on the product group.	V	CollectionType	https://www.isbt128.org/uri/CollectionType	2.16.840.1.113883.6.18.2.7	IBT1-0010
Container Catalog Number	A seven character code. The catalog number of the container set.	0027QZE	ContainerCatalogNo	https://www.isbt128.org/uri/ContainerCatalogNo	2.16.840.1.113883.6.18.2.22	IBT1-0057
Container Lot Number	Ten character code corresponding to an ISBT 128 Container Lot Number [Data Structure 018].	0000123456	ContainerLotNo	https://www.isbt128.org/uri/ContainerLotNo	2.16.840.1.113883.6.18.1.18	IBT1-0027
Container Manufacturer	A two character code referencing a Container Manufacturer. Refer to Table RT016 for manufacturer codes.	IC	ContainerManufacturerID	https://www.isbt128.org/uri/ContainerManufacturerID	2.16.840.1.113883.6.18.2.21	IBT1-0056
Container Mfr and Cat	Ten character code corresponding to an ISBT 128 Container Manufacturer and Catalog Number [Data Structure 017]. Refer to Table RT016 for manufacturer codes.	11C0027QZE			2.16.840.1.113883.6.18.1.17	IBT1-0026
Dimensions, Multiple	Variable length field corresponding to an ISBT 128 Dimensions [Data Structure 029]. Refer to Table RT037, Table RT038, and Table RT039.	0101000700031000			2.16.840.1.113883.6.18.1.29	IBT1-0035
Dimensions, Single	Twelve digit code corresponding to a single dimension of a product within the ISBT 128 Dimensions [Data Structure 029]. Refer to Table RT037, Table RT038, and Table RT039.	010007000310	Dimension	https://www.isbt128.org/uri/Dimension	2.16.840.1.113883.6.18.2.15	IBT1-0038

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Division, First	Single character code corresponding to the seventh character of an ISBT 128 Product Code [Data Structure 003] and indicating a division value or a flag to an alternative division number code. The use of this depends on the product group.	A			2.16.840.1.113883.6.18.2.8	IBT1-0011
Division Identifier	Six character code that is the division identifier of a product. It can be sourced from Data Structure 003 (three digit number or 2 alphanumeric characters) or Data Structure 032 (six alphanumeric characters). If sourced from Data Structure 003, then three leading zeroes would be added to the three digits or four trailing zeroes would be added to the two alphanumeric characters.	000103 or Ab0000 or AABC00	DivisionIdentifier	https://www.isbt128.org/uri/DivisionIdentifier	2.16.840.1.113883.6.18.3.2	IBT1-0053
Division Number	Three digit code corresponding to the sixth to eighth character of an ISBT 128 Product Code [Data Structure 003]. The use of this depends on the product group. Indicates the division number of the product.	103			2.16.840.1.113883.6.18.2.10	IBT1-0013
Divisions, Product	Six character code corresponding to the ISBT 128 Product Divisions Code for Data Structure 032.	AABC00			2.16.840.1.113883.6.18.1.32	IBT1-0043
Division, Second	Single character code corresponding to the eighth character of an ISBT 128 Product Code [Data Structure 003] indicating a division value or a flag to an alternative division number code. The use of this depends on the product group.	b			2.16.840.1.113883.6.18.2.9	IBT1-0012
Donation Identification Number and Flag	Fifteen-character code corresponding to an ISBT 128 Donation Identification Number [Data Structure 001] (In this case includes the second data identifier which is also the first data character). See Table RT004 for acceptable values of flag element and their interpretation.	A99990812345601			2.16.840.1.113883.6.18.1.1	IBT1-0003
Donation Identification Number	Thirteen character donation number element from an ISBT 128 Donation Identification Number [Data Structure 001]. (In this case includes the second data identifier which is also the first data character).	A999908123456	DonationIdentificationNumber	https://www.isbt128.org/uri/DonationIdentificationNumber	2.16.840.1.113883.6.18.2.1	IBT1-0001
Donor ID	Twenty-one character code corresponding to an ISBT 128 Donor Identification Number [Data Structure 019].	W00000000000012436744			2.16.840.1.113883.6.18.1.19	IBT1-0028
Expiration Date	Six digit code corresponding to an expiration date as defined for ISBT 128 Data Structures 004 and 005.	008120			2.16.840.1.113883.6.18.1.4	IBT1-0014
Expiration Date and Time ISO	A date and time in xml date time format with optional (recommended) UTC offset corresponding to an expiry date.	2020-02-28T14:15:00-06:00	ExpirationDateTime	https://www.isbt128.org/uri/ExpirationDateTime	2.16.840.1.113883.6.18.3.3	IBT1-0054

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Expiration Time	Four digit code corresponding to an expiration time as defined for ISBT 128 Data Structure 005.	1900			2.16.840.1.113883.6.18.2.11	IBT1-0015
Facility Product Code	Six character code in Data Structure 033 corresponding to facility-defined product code (FPC). [Data Structure 033 or 034].	AB7878	FacilityProductCode	https://www.isbt128.org/uri/FacilityProductCode	2.16.840.1.113883.6.18.2.20	IBT1-0045
Flag Value	Two character code corresponding to the flag characters from an ISBT 128 Donation Identification Number [Data Structure 001]. See Table RT004 for acceptable values and their interpretation.	01	FlagCharacters	https://www.isbt128.org/uri/FlagCharacters	2.16.840.1.113883.6.18.2.2	IBT1-0002
Flexible Date and Time	Sixteen digit code corresponding to a time and date defined within the code for Data Structure 031. Refer to Table RT045 and Table RT046.	1001201311042359			2.16.840.1.113883.6.18.1.31	IBT1-0042
Global Registration Identifier for Donors (Retired)	Nineteen character code corresponding to a Global Registration Identifier for Donors [Data Structure 037]. This has been superseded by IBT1-0051.	9999ABC123DEF000009			2.16.840.1.113883.6.18.1.37	IBT1-0049
Global Registration Identifier for Donors	Nineteen character code corresponding to a Global Registration Identifier for Donors [Data Structure 039].	9990012070433201625	GRID	https://www.isbt128.org/uri/GRID	2.16.840.1.113883.6.18.1.39	IBT1-0051
Infectious Markers	Eighteen digit code corresponding to an ISBT 128 Infectious Markers code [Data Structure 027]. See Table RT019 for acceptable values and their interpretation.	321415000000000000	TTIResults	https://www.isbt128.org/uri/TTIResults	2.16.840.1.113883.6.18.1.27	IBT1-0034
Information Location	Two digit code corresponding to a location code identifying where the occurrence of the information was held. Refer to Table RT018.	01			2.16.840.1.113883.6.18.2.16	IBT1-0039
MPHO Lot Number	Eighteen character code corresponding to an ISBT 128 MPHO Lot Number [Data Structure 035].	00000ABC123cba3210			2.16.840.1.113883.6.18.1.35	IBT1-0047
MPHO Supplemental Identification Number	Eighteen character code corresponding to an ISBT 128 MPHO Supplemental Identification Number [Data Structure 036].	00054321EFG123hk00			2.16.840.1.113883.6.18.1.36	IBT1-0048
MPHO Unique Identifier	A twenty nine character code that is a combination of the processing facility code (5 characters), product description code (5 characters), ISBT 128 DIN (13 characters), and division identifier (6 characters).	W9999T0123 W000018123456 000123	MPHOUniqueIdentifier	https://www.isbt128.org/uri/MPHOUniqueIdentifier	2.16.840.1.113883.6.18.3.1	IBT1-0052
Other Lot	Ten character code corresponding to an ISBT 128 Lot Number: Items Other Than Containers [Data Structure 022].	0000435678			2.16.840.1.113883.6.18.1.22	IBT1-0031

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Other Mfr and Cat	Ten character code corresponding to an ISBT 128 Manufacturer and Catalog Number: Items other than containers [Data Structure 021]. Refer to Table RT016 for manufacturer codes.	IC000RA123			2.16.840.1.113883.6.18.1.21	IBT1-0030
Patient Date of Birth	Eight digit code corresponding to an ISBT 128 Patient Date of Birth [Data Structure 024].	20011203			2.16.840.1.113883.6.18.2.17	IBT1-0040
Patient DOB and information location	Ten character code corresponding to an ISBT 128 Patient Date of Birth [Data Structure 024]. Note that this structure includes a location code (defined in Table RT018) together with the Date of Birth in yyyymmdd format.	0119541217			2.16.840.1.113883.6.18.1.24	IBT1-0032
Patient ID and information location	Variable length field corresponding to an ISBT 128 Patient Identification Number [Data Structure 025]. Note that this structure includes a location code (defined in Table RT018) and patient number field length together with the patient number.	0106923832			2.16.840.1.113883.6.18.1.25	IBT1-0033
Patient Identification Number	Variable length field corresponding to an ISBT 128 Patient Identification Number [Data Structure 025].	06923832			2.16.840.1.113883.6.18.2.18	IBT1-0041
Platelet HLA and Antigen	Sixteen digit code corresponding to the Platelet HLA and Platelet Specific Antigens codes. See Table RT013 and Table RT014 for acceptable values and their interpretation.	0224082799999999	PlateletHLAandAg	https://www.isbt128.org/uri/PlateletHLAandAg	2.16.840.1.113883.6.18.3.6	IBT1-0059
Processing Facility Identification Number	Five character code corresponding to the ISBT 128 Facility Identification Number of the facility that assigned the Product Code and referencing a value in the ISBT 128 Registered Facilities Database [Data Structure 033 or 034].	A9999	ProcessorFIN	https://www.isbt128.org/uri/ProcessorFIN	2.16.840.1.113883.6.18.2.19	IBT1-0044
Processor Product Identification Code	Sixteen character code corresponding to (1) the ISBT 128 Facility Identification Number of the facility that processed or labeled the product, (2) a six character code corresponding to the facility-assigned product code or catalog number, and (3) a five character code corresponding to the ISBT 128 Product Description Code. Provides the UDI Device Identifier for medical devices containing medical products of human origin. [Data Structure 034]	A9999AB1234T1234	ProcessorProductIdentificationCode	https://www.isbt128.org/uri/ProcessorProductIdentificationCode	2.16.840.1.113883.6.18.1.34	IBT1-0046
Product Code	Eight character ISBT 128 Product Code [Data Structure 003], referencing the ISBT 128 Product Description Code Database and Table RT008.	E0001V00			2.16.840.1.113883.6.18.1.3	IBT1-0008
Product Consignment	Sixteen character code corresponding to a product consignment as defined for ISBT 128 Data Structure 028.	A9991221234560103	ProductConsignment	https://www.isbt128.org/uri/ProductConsignment		

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Production Date and Time ISO	A date and time in xml date time format with optional (recommended) UTC offset corresponding to a production date.	2020-02-02T14:49:32-06:00	ProductionDateTime	https://www.isbt128.org/uri/ProductionDateTime	2.16.840.1.113883.6.18.3.5	IBT1-0058
Production Date	Six digit code corresponding to a production date as defined for ISBT 128 Data Structures 008 and 009.	008120			2.16.840.1.113883.6.18.1.8	IBT1-0018
Production Time	Four digit code corresponding to a production time as defined for ISBT 128 Data Structure 009.	1900			2.16.840.1.113883.6.18.2.13	IBT1-0019
Product Description Code	Five character code corresponding to the Product Description Code in first five characters of Data Structure 003 and the last 5 characters of Data Structure 034. It references a value in the ISBT 128 Product Description Code Database.	E0123	ProductDescriptionCode	https://www.isbt128.org/uri/ProductDescriptionCode	2.16.840.1.113883.6.18.2.6	IBT1-0009
Red Cell Antigen with Test History, Individual	Ten digit code corresponding to an individual ISBT 128 Red Cell Antigen and its test history within Data Structure 030. Refer to Table RT040, Table RT041 and the red cell antigen nomenclature tables found at https://www.isbtweb.org/working-parties/red-cell-immunogenetics-and-blood-group-terminology/	0040020201	RedCellAntigen	https://www.isbt128.org/uri/RedCellAntigen	2.16.840.1.113883.6.18.2.14	IBT1-0037
Red Cell Antigens with Test History, Multiple	Variable length field corresponding to multiple ISBT 128 Red Cell Antigens with their Test Histories [Data Structure 030]. Refer to Table RT040, Table RT041 and the red cell antigen nomenclature tables found at https://www.isbtweb.org/working-parties/red-cell-immunogenetics-and-blood-group-terminology/	0040040020201004004020400400301030040050202			2.16.840.1.113883.6.18.1.30	IBT1-0036
Rh K Mur	ISBT 128 single character value corresponding to third data character of Data Structure 002 and encoding Rh, Kell and Mia/Mur phenotypes. See Table RT007 for acceptable values and their interpretation.	B			2.16.840.1.113883.6.18.2.5	IBT1-0007
Special Messages	ISBT 128 two-character Special Message. See Table RT006 for acceptable values and their interpretation.	Mq			2.16.840.1.113883.6.18.2.4	IBT1-0006
Special Testing DRB1	Eighteen digit code corresponding to an ISBT 128 Special Testing: HLA-DRB1 Alleles code [Data Structure 016]. See the IMTG/HLA database (http://www.ebi.ac.uk/imgt/hla/) for acceptable values.	100115019999999999			2.16.840.1.113883.6.18.1.16	IBT1-0025
Special Testing General	Five character code corresponding to an ISBT 128 Special Testing – General code [Data Structure 010]. See Special Testing: General Database Table for acceptable values and their interpretation.	N0001	SpecialTestCode	https://www.isbt128.org/uri/SpecialTestCode	2.16.840.1.113883.6.18.1.10	IBT1-0020

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Special Testing HLA-A and HLA-B Alleles	Eighteen digit code corresponding to an ISBT 128 Special Testing: HLA-A and –B Alleles code [Data Structure 015]. See the IMGT/HLA database (http://www.ebi.ac.uk/imgt/hla/) and Table RT015 for acceptable values and their interpretation.	010302010702270519			2.16.840.1.113883.6.18.1.15	IBT1-0024
Special Testing Platelets	Eighteen digit code corresponding to an ISBT 128 Special Testing: Platelet HLA and Platelet Specific Antigens code [Data Structure 014]. See Table RT013, Table RT014, and Table RT044 for acceptable values and their interpretation.	022408279999999900			2.16.840.1.113883.6.18.1.14	IBT1-0023
Special Testing RBC Finnish	Eighteen digit code corresponding to an ISBT 128 Special Testing: Red Blood Cell Antigens – Finnish code [Data Structure 013]. See Table RT010 and Table RT012 for acceptable values and their interpretation.	486881355800000000			2.16.840.1.113883.6.18.1.13	IBT1-0022
Special Testing RBC General	Eighteen digit code corresponding to an ISBT 128 Special Testing: Red Blood Cell Antigens – General code [Data Structure 012]. See Table RT009 and Table RT011 for acceptable values and their interpretation.	486881355800000000			2.16.840.1.113883.6.18.1.12	IBT1-0021
Staff ID	Eleven character code corresponding to an ISBT 128 Staff Member Identification Number [Data Structure 020].	W0000016902			2.16.840.1.113883.6.18.1.20	IBT1-0029
Single European Code	Forty character code corresponding to a Single European Code [Data Structure 038].	GB0GY120G999914123456A00S14160Ab20161231	SingleEuropeanCode	https://www.isbt128.org/uri/SingleEuropeanCode	2.16.840.1.113883.6.18.1.38	IBT1-0050
XML Element MPHOP Product	The MPHOP Product element is intended to provide the data set associated with a single MPHOP Product for transfer from the processor to healthcare organization.		MPHOPProduct	https://www.isbt128.org/uri/MPHOPProduct		