

## Importing local terms into RELMA

In order to use RELMA to map your local codes, you must first create a flat ASCII text file containing your codes. This file may be delimited by either tabs, semi-colons, commas or the vertical bar character ( | ). For any delimiters other than the Tab or vertical bar character, all text should be surrounded by quotes to ensure proper parsing by RELMA.

**IMPORTANT NOTE:** “Administrator rights are needed on the laptop to install RELMA and use it. This has to be done before you get to the workshop. Your hands-on participation in the workshop may be hampered if this is not done beforehand.”

The following data, if available, should be included in the file:

1. Battery or Panel Code (required if your local test codes are re-used for different specimens or methods—e.g use of same code for pO2 whether your battery is ABG (arterial blood gas) or VBG (venous blood gas). Reported in HL7’s OBR-4
2. Battery or Panel Description (required under same circumstances as #1)
3. Local Test Code (required)
4. Local Test Description – reported in HL7 OBX-3 (required)
5. Units (optional – useful when the result is numeric)
6. Lab Section (optional - The section often gives hints about the specimen, when the specimen is not explicitly stated in the name)
7. LOINC code (if previously mapped)
8. Comments (what ever you want to enter) – **Please include a sample value if you have one.**

For some laboratories, the test code and test description may contain enough details to do the mapping. In other facilities, there is a close relationship between test batteries and individual tests that may not be apparent if only the test information is used. For example the OBR (battery) that says “Arterial blood gases” and the one that says “Venous blood gas” may share a common OBX code named “pO2”. In such circumstances you need to consider the OBR (battery code) as well as the OBX code to map to the correct LOINC code. If the battery named ABG had a test code called Art PO2 and the battery named VGB had a test code called Ven PO2, you do not have to consider the battery test code to decide how to map the test code. You can also look at your HL7 messages or data base that relates battery to test codes to decide whether to include the OBR code in the import file.

- The following is an example showing the information that should be included in the import. See page 3 for a delimited text example.

Battery code	Battery Description	Test Code	Test Description	Units
		EOSAB	ABSOLUTE EOSINOPHILS BLD	K/CUMM
		EOSJT	EOS - JOINT FLD	%
		PURKRS	PURKINJE CELL AB SER	

Battery code	Battery Description	Test Code	Test Description	Units
		UDSB	BZDP	
		UDSBG	BENZOYLEC	
		UDSO	OPIATES	
		UDST	TCA	
		UTP4R	TOTAL PROTEIN UA	MG/24 HR
		UTPR	TOTAL PROTEIN UA	MG/DL
		WBCT	WHITE BLOOD CT	K/CUMM
AFBCL	ACID FAST CULT	CULT	CULTURE	
ANAC	ANAEROBIC CULTURE	CULT	CULTURE	
BGART	BLD GAS ART - RT	FIO2	O2 INSPIRED	
BGART	BLD GAS ART - RT	HCO3	BICARBONATE	MMOL/L
BGART	BLD GAS ART - RT	O2S	O2 SATURATION	%
BGART	BLD GAS ART - RT	PCO2	PCO2	MMHG
BGART	BLD GAS ART - RT	PH	PH	
BGART	BLD GAS ART - RT	PO2	PO2	MMHG
BLC	BLOOD CULTURE	CULT	CULTURE	
BLDAFB	ACID FAST CULT, BLD	CULT	CULTURE	
CBCDF	CBC+DIFF	HCT	HEMATOCRIT	%
CBCDF	CBC+DIFF	HGB	HEMOGLOBIN	G/DL
CBCDF	CBC+DIFF	LYMPH	LYMPHOCYTE	%
CBCDF	CBC+DIFF	MCH	MCH	PG
CBCDF	CBC+DIFF	MCHC	MCHC	G/DL
CBCDF	CBC+DIFF	MCV	MCV	FL
CBCDF	CBC+DIFF	META	METAMYELOCYTE	%
CBCDF	CBC+DIFF	MMYEL	MYELOCYTE	%
CBCDF	CBC+DIFF	MONO	MONOCYTE	%
CBCDF	CBC+DIFF	MPV	MPV	FL
CBCDF	CBC+DIFF	PLT	PLATELET COUNT	K/CUMM
CTFLD	CELL COUNT BF	APPRB	BODY FLD-APPR	
CTFLD	CELL COUNT BF	BASOB	BODY FLD-BASO	%
CTFLD	CELL COUNT BF	COLB	BODY FLD-COLOR	
CTFLD	CELL COUNT BF	EOSB	BODY FLD-EOS	%
CTFLD	CELL COUNT BF	LYMB	BODY FLD-LYMPHS	%
CTFLD	CELL COUNT BF	MACRB	BODY FLD-MACRPHG	%
EBVSOT	EPSTEIN-BARR SCREEN	EBNA	NUCLEAR AG ANTIBODY	TITER
EBVSOT	EPSTEIN-BARR SCREEN	VCAG	VIRAL CAPSID AG/IGG	TITER
EBVSOT	EPSTEIN-BARR SCREEN	VCAM	AG/IGM-VIRAL CAPSID	TITER
GCMASS	GCMASS CONFIRM	AMPHCUT	AMPHET CUTOFF	NG/ML
GCMASS	GCMASS CONFIRM	AMPHET	AMPHET	NG/ML
GCMASS	GCMASS CONFIRM	MNACUT	MONOACETMORP CUTOFF	NG/ML
GCMASS	GCMASS CONFIRM	MONOAC	MONOACETMORP	NG/ML
GTT3H	GLUCOSE TOLERANCE 3H	GT0	GLUCOSE FASTING	MG/DL

Battery code	Battery Description	Test Code	Test Description	Units
GTT3H	GLUCOSE TOLERANCE 3H	GT1	GLUCOSE 1H	MG/DL
GTT3H	GLUCOSE TOLERANCE 3H	GT2	GLUCOSE 2H	MG/DL
GTT3H	GLUCOSE TOLERANCE 3H	GT3	GLUCOSE 3H	MG/DL
HIAA5	5HIA UA 24H	DUR	DURATION OF COLLECTION	HRS
HIAA5	5HIA UA 24H	HIAAR	5HIAA	MG/24HR
HIAA5	5HIA UA 24H	UVOL	VOLUME UA	ML
THC	THROAT CULTURE	CULT	CULTURE	
UAMCP	UA MICROSCOPIC	BACT	URINE-BACTERIA	/HPF
UAMCP	UA MICROSCOPIC	COCRY	CRYSTALS-CA OXAL	/HPF
UAMCP	UA MICROSCOPIC	EPIU	URINE-EPI CELL	/HPF
UAMCP	UA MICROSCOPIC	HYAL	CASTS-HYALINE	/LPF
UAMCP	UA MICROSCOPIC	MUC	URINE-MUCUS	/LPF
UAMCP	UA MICROSCOPIC	UAMRPH	URATE CRYSTALS-AMORPH	/HPF
ZZ01	SUSCEPTIBILITY	AK	AMIKACIN	
ZZ01	SUSCEPTIBILITY	AM	AMPICILLIN	
ZZ01	SUSCEPTIBILITY	AMC	AMOXICILLIN/CLAVULANIC A	
ZZ01	SUSCEPTIBILITY	AMS	AMPICILLIN/SULBACTAM	
ZZ01	SUSCEPTIBILITY	AZM	AZITHROMYCIN	
ZZ01	SUSCEPTIBILITY	MTYP	METHOD	

This is the same thing in delimited (|) form.

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|EOSAB|ABSOLUTE EOSINOPHILS BLD|K/CUMM
|EOSJT|EOS - JOINT FLD|%
|PURKRS|PURKINJE CELL AB SER|
|UDSB|BZDP|
|UDSBG|BENZOYLEC|
|UDSO|OPIATES|
|UDST|TCA|
|UTP4R|TOTAL PROTEIN UA|MG/24 HR
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BGART|BLD GAS ART - RT|O2S|O2 SATURATION|%
BGART|BLD GAS ART - RT|PCO2|PCO2|MMHG
BGART|BLD GAS ART - RT|PH|PH|
BGART|BLD GAS ART - RT|PO2|PO2|MMHG
BLC|BLOOD CULTURE|CULT|CULTURE|
BLDAFB|ACID FAST CULT, BLD|CULT|CULTURE|
CBCDF|CBC+DIFF|HCT|HEMATOCRIT|%
CBCDF|CBC+DIFF|HGB|HEMOGLOBIN|G/DL
CBCDF|CBC+DIFF|LYMPH|LYMPHOCYTE|%
CBCDF|CBC+DIFF|MCH|MCH|PG
CBCDF|CBC+DIFF|MCHC|MCHC|G/DL

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CBCDF|CBC+DIFF|MCV|MCV|FL  
 CBCDF|CBC+DIFF|META|METAMYELOCYTE| %  
 CBCDF|CBC+DIFF|MMYEL|MYELOCYTE| %  
 CBCDF|CBC+DIFF|MONO|MONOCYTE| %  
 CBCDF|CBC+DIFF|MPV|MPV|FL  
 CBCDF|CBC+DIFF|PLT|PLATELET COUNT|K/CUMM  
 CTFLD|CELL COUNT BF|APPRB|BODY FLD-APPR|  
 CTFLD|CELL COUNT BF|BASOB|BODY FLD-BASO| %  
 CTFLD|CELL COUNT BF|COLB|BODY FLD-COLOR|  
 CTFLD|CELL COUNT BF|EOSB|BODY FLD-EOS| %  
 CTFLD|CELL COUNT BF|LYMB|BODY FLD-LYMPHS| %  
 CTFLD|CELL COUNT BF|MACRB|BODY FLD-MACRPHG| %  
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 GTT3H|GLUCOSE TOLERANCE 3H|GT1|GLUCOSE 1H|MG/DL  
 GTT3H|GLUCOSE TOLERANCE 3H|GT2|GLUCOSE 2H|MG/DL  
 GTT3H|GLUCOSE TOLERANCE 3H|GT3|GLUCOSE 3H|MG/DL  
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 HIAA5|5HIA UA 24H|HIAAR|5HIAA|MG/24HR  
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 UAMCP|UA MICROSCOPIC|COCRY|CRYSTALS-CA OXAL|/HPF  
 UAMCP|UA MICROSCOPIC|EPIU|URINE-EPI CELL|/HPF  
 UAMCP|UA MICROSCOPIC|HYAL|CASTS-HYALINE|/LPF  
 UAMCP|UA MICROSCOPIC|MUC|URINE-MUCUS|/LPF  
 UAMCP|UA MICROSCOPIC|UAMRPH|URATE CRYSTALS-AMORPH|/HPF  
 ZZ01|SUSCEPTIBILITY|AK|AMIKACIN|  
 ZZ01|SUSCEPTIBILITY|AM|AMPICILLIN|  
 ZZ01|SUSCEPTIBILITY|AMC|AMOXICILLIN/CLAVULANIC A|  
 ZZ01|SUSCEPTIBILITY|AMS|AMPICILLIN/SULBACTAM|  
 ZZ01|SUSCEPTIBILITY|AZM|AZITHROMYCIN|  
 ZZ01|SUSCEPTIBILITY|MTYP|METHOD|