

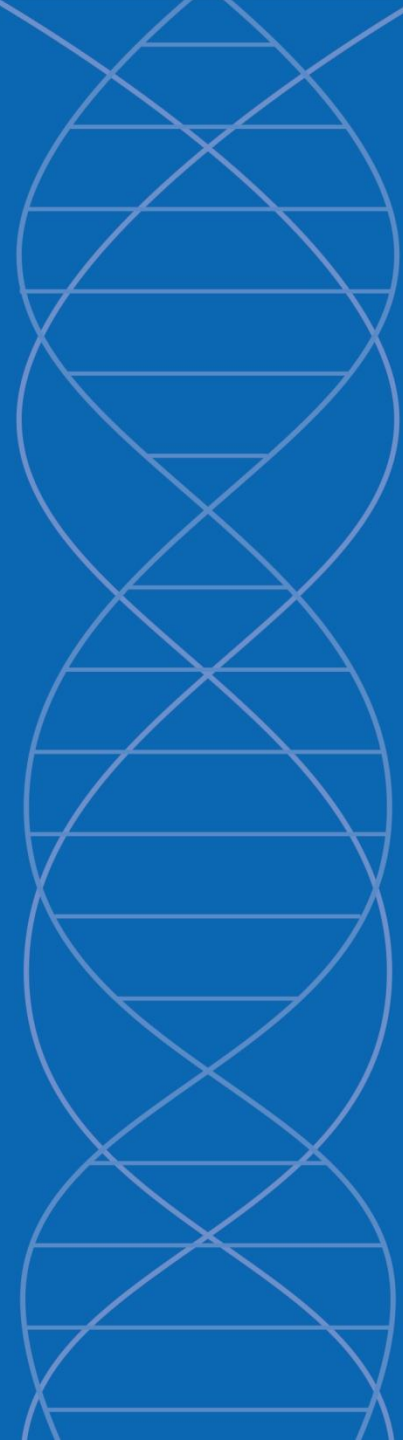


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Proficiency Testing – Use of Instrument Codes, Manufacture codes and Exception codes during PT Result entry

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Proficiency Testing

“A program in which multiple samples are periodically sent to members of a group of laboratories for analysis and/or identification; whereby each laboratory’s results are compared with those of other laboratories in the group and/or with an assigned value, and reported to the participating laboratories and others.” (CLSI)

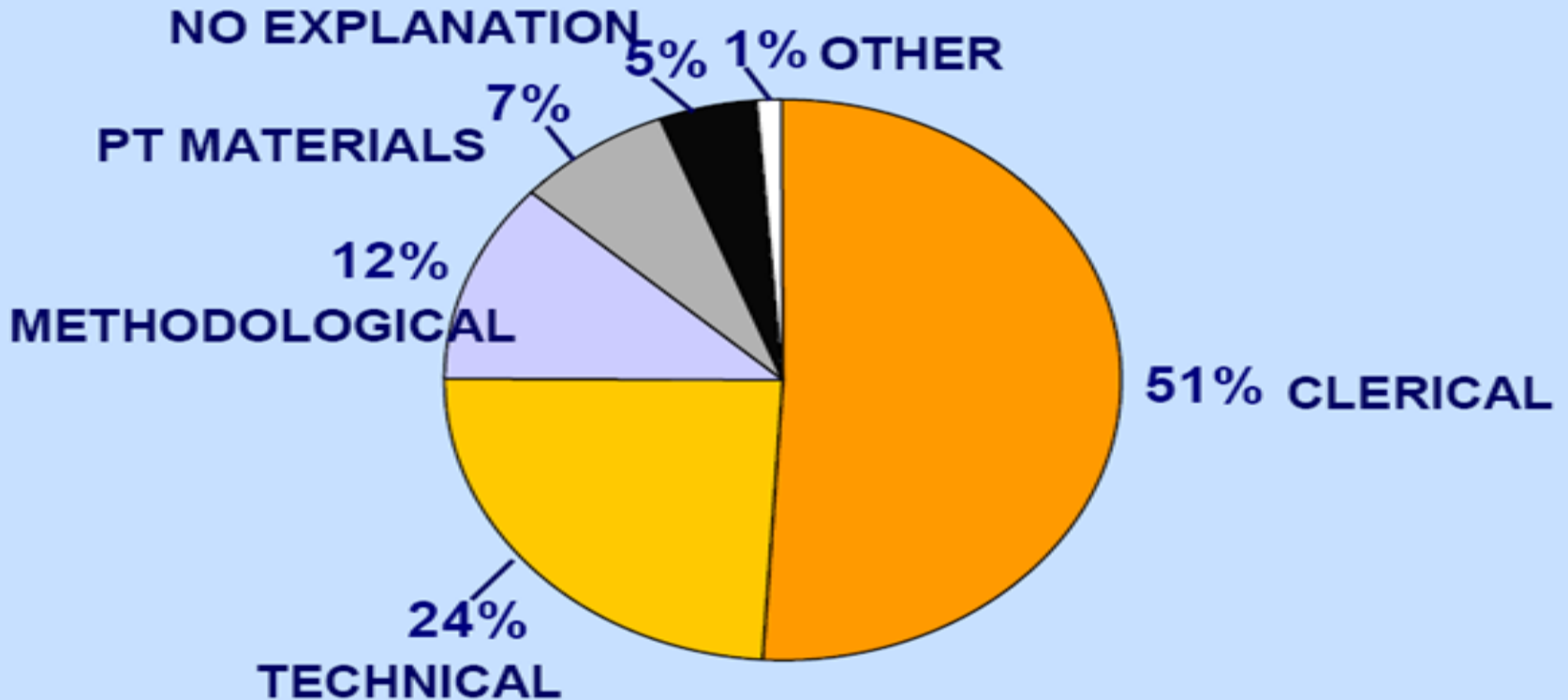
Handling PT Samples

- Treat in the same way as patient samples
- Rotate staff responsible for testing
- Only test to the extent possible in your laboratory
- Follow instructions provided
- Submit results before required deadline
- Check for transcription errors before submitting

Possible Clerical Errors

- Result was not correctly transcribed from the instrument tape or read-out to the report form (e.g., results for samples copied in reverse order or one line off all the way down)
- The PT sample was mislabeled;
- An incorrect instrument or method was reported on the form
- Incorrect units were reported
- A decimal point was misplaced
- An incorrect reporting code was selected on the report form.

Reported Causes of PT Failures



How to enter the results online

Enter the following,

- date and month
- Method code : Refer to the last pages of kit insert
- Instrument code: Refer to the last pages of kit insert
- Unit of measure
- Exception codes (if any)
- Results from the assay

Results		Date samples received in ⁰¹⁰ <input type="text" value="0312"/>		
		laboratory: M M D D		
Bilirubin, Direct				
Method Code ⁰²⁰	<input type="text" value="1049"/>	Instrument Code ⁰³⁰	<input type="text" value="1652"/>	
Reagent Code not required		Unit of Measure ⁰⁴⁰	Exception Code	
		<input checked="" type="radio"/> 101 mg/dL	<input type="radio"/> 11	
		<input type="radio"/> 108 µmol/L	<input type="radio"/> 22	
			<input type="radio"/> 33	
⁰⁶⁰ CHM-01	⁰⁷⁰ CHM-02	⁰⁸⁰ CHM-03	⁰⁹⁰ CHM-04	¹⁰⁰ CHM-05
<input type="text" value="0.8"/>	<input type="text" value="0.7"/>	<input type="text" value="2.0"/>	<input type="text" value="0.1"/>	<input type="text" value="0.8"/>

For each mailing, verify the accuracy of your reporting codes (eg, manufacturer, method, instrument, reagent, units of measure) by reviewing the online result form.

Note: Read the kit inserts completely before you start processing the samples.

Where I can find the Method codes

The codes are available in the Kit instructions under the section **Master List**

Chemistry Method Master List		
Deleted codes None	New/Updated codes	
	1011	Enzymatic Glucokinase/Hexokinase G-6-PDH
	1019	Martin-Jones Equation (Johns Hopkins)
	3405	Ion Selective Electrode Diluted (Indirect) Without Correlation Factor (Beckman AU)
Note: Code changes may not apply to all analytes. Please verify your reporting code using the analyte-specific master list below.		
Acid Phosphatase Refer to the Enzyme Reagent Master List.	1731	Siemens Dimension Vista
	1445	Siemens Nephelometer Systems
	1544	Vitros
Albumin 1099 Dye Binding-BCG 1101 Dye Binding-Bromcresol Purple 1103 Dye Binding-Other Dye, specify on result form 1104 Electrophoresis 1279 Nephelometry 1637 Turbidimetric/Immunturbidimetric 0010 Other method, specify on result form	0010	Other method, specify on result form
	AST (SGOT) Refer to the Enzyme Reagent Master List.	
	Total Bilirubin and Direct Bilirubin* *Report measured direct reacting bilirubin as a single measurement (ie, Vitros users report direct bilirubin as Bc result).	
	Other Method 1193 Laboratory developed Modified with Blank 1194 Laboratory developed Modified without Blank 0010 Other method, specify on result form	
	Calcium 1028 5-nitro-5'-methyl-BAPTA (NM-BAPTA) 1126 Alizarin 1138 Arsenazo III Dye 1127 Atomic Absorption	

Where I can find the Instrument codes

The codes are available in the Kit instructions under the section **Instrument Master List**

Instrument Master List			
Deleted codes		New/Updated codes	
4795—Vitros DT 60 II Chemistry System		None	
1514	Manual, In-House Reagent Preparation	1000	Siemens ADVIA Centaur CP
0010	Other, specify on result form	1809	Siemens ADVIA Chemistry Systems
<u>Multiconstituent Analyzers</u>		1575	Siemens Dimension
2160	Abbott Architect c System	1731	Siemens Dimension Vista
1853	Abbott Architect i System	1097	Siemens Immulite/Immulate 1000
1227	Abbott AxSYM (Outside US only)	1667	Siemens Immulite 2000/XPI
1819	Abbott TDx/TDxFLx	1931	Siemens V-Twin, VivaE, Viva Jr.
1078	Advanced Bilirubin Stat Analyzer Model BR-2	3429	Thermo MGC240
1229	Alfa Wassemann Ace Series	1807	Toshiba TBA-FR series
1940	Alfa Wassemann S40	1508	Vital Diagnostics ATAC 8000
1938	Bayer 550 Express	1230	Vital Diagnostics Envoy 500
1328	Bayer 580 Alliance	1462	Vitros 5, 1 FS/4600/5600 Chemistry Systems
1086	Bayer RA/OP	1096	Vitros 250,350 Chemistry Systems
1012	Beckman Access Systems	1684	YSI 2300
1203	Beckman AU series (incl. DxC 700)	1725	Other Multiconstituent Analyzer, specify on result form
2216	Beckman Synchron CX Systems	<u>Point of Care Testing Analyzers</u>	
2217	Beckman Synchron LX Systems	1907	A&T Corporation GA series
1474	Beckman UniCel DxC Synchron Systems	1301	Abaxis Piccolo
1068	Beckman UniCel DxI Systems	1813	Abaxis Piccolo - WAIVED reagent disc
1158	Binding Site Optilite	1174	Cholestech L-D-X
1739	Binding Site SPAplus	1039	i-STAT cartridges
2086	BioLis/Prestige 24i	3361	i-STAT cartridges - Waived method
3445	Carolina CLC720/CLC720i	<u>Titration</u>	
1751	Cormay Accent-200/220S	1663	Radiometer
1282	Erba XL series	1726	Other Titrator, specify on result form
1870	Hemagen Analyst	1054	Nova STP Ultra/M
1857	Hitachi 7000 series	2114	Radiometer ABL 70
		1189	Radiometer ABL 80
		1847	Radiometer ICA-1
		1800	Radiometer KNA (Undiluted)
		1332	Roche 980 Series (ISE Mode)
		1333	Roche 9100 Series (ISE Mode)
		3441	Roche cobas b121
		1120	Siemens 614, 644, 654
		1959	Siemens Dimension QuikLyte-RxL/Max
		1960	Siemens Dimension QuikLyte-Xpand/ExL
		1310	Siemens Rapidlab 348
		1159	Sterling Electrolyte Analyzer 450
		1801	Other ISE Diluted (Indirect), specify on result form
		1802	Other ISE Undiluted (Direct), specify on result form
		<u>Atomic Absorption Spectrophotometers</u>	
		1643	Jarrell-Ash
		1651	PerkinElmer
		1683	Varian
		1728	Other Atomic Absorption Spectrophotometer, specify on result form
		<u>Mass Spectrometers</u>	

Exception Codes

If you must report an analytical problem for a test or individual analyte, leave the result area for that section blank and select one of the following bubbles on the result form within that section.

The exception code bubble that you select will apply only to the result area(s) left blank.

Documentation on the use of these codes is the responsibility of the laboratory and should be kept internally.

➤ **11 Unable to analyze**

Use code 11 to indicate why specimens were not analyzed (eg, instrument not functioning, reagents not available).

➤ **22 Result is outside the method/instrument reportable range**

Use code 22 if you obtain a high or low result outside the reportable range of your method or instrument. Do not use this code if there is an option to select greater than or less than.

➤ **33 Specimen unsatisfactory**

To use code 33, you must contact the CAP.

If you select an exception code bubble and enter data on the result form, the data will be graded.