

Data Flag List

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5002	HE	Error detected in ORU	E	General ORU error. If the signal check for a particular test is disabled, all ORU flags are treated as an error.
5003	HE	Air read failure	E	The reading of the air just prior to acquisition is outside of the stored air read value plus/minus some tolerance amount.
5004	HE	Aspiration Baseline Error	E	The probe did not stay immersed in the liquid properly during an aspiration or the liquid was not properly detected prior to the aspiration.
5005	HE	Unexpected LLD Error	E	Liquid has been detected, but it is not in the proper location (it is found too early) so we suspect a false positive reading.
5050	CE	(Data) First point OUT OF RANGE.	E	Out of starting point range
5051	CE	(Data) Baseline average LOW.	E	baseline average too low
5052	CE	(Data) Baseline SD exceeds error limit.	E	Baseline SD is out of range
5053	CE	(Data) Baseline average HIGH.	E	baseline average too high
5054	CE	(Data) Endpoint SD exceeds error limit.	E	Endpoint SD is out of range
5055	CE	(Data) Endpoint average HIGH.	E	endpoint average too high
5056	CE	(Data) Too many invalid raw data points.	E	too many invalid raw - points do not fall within specified signal range or have an ORU error associated with them
5057	CE	(Data) Curve min. and max. not in correct sequence.	E	invalid curve max after min -- curve behaves in an unexpected manner - raw data should go from maxima to minima value (on ACL-Advance). User specifies correct sequence on Top.
5058	CE	(Data) Last point OUT OF RANGE.	E	curve drifting -- the last point in the raw data is outside specified % of curve
5059	CE	(Data) Incorrect number of raw data points.	E	too few or too many data points in curve -- indicates an error in scheduler, should never occur.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5060	CE	(Data) Normalized curve delta too LOW.	E	delta of curve invalid -- indicates that raw data does not have enough signal across curve
5061	CE	(Data) Calculation error.	E	calculation error -- i.e. divide by zero
5062	CE	(Coag) First threshold limit not found.	E	didn't reach first threshold -- not enough signal in curve to find threshold limit value
5063	CE	(Coag) Second threshold limit not found.	E	second threshold not found -- not enough signal in curve to find threshold check value and user has configured the algorithm to fail if check value not located (otherwise a warning)
5064	CE	(Coag) Max (min) time span violation.	E	time exceeded -- too much time (or too little time) between threshold limit-check or derivative min-max peaks.
5065	CE	(Data) Curve sequence UNKNOWN.	E	Unable to determine curve sequence
5066	CE	(Reaction) Linear regression SD exceeds error limit.	E	SD out of range in Linear Regression
5067	CE	(Range) Below measured result test range	E	measured result fails -- does not meet test range (low)
5068	CE	(Range) Above measured result test range	E	measured result fails -- does not meet test range (high)
5069	CE	(Data) Missing ORU blank value	E	ORU Blank correction is enabled, but the Blank value for that channel is unavailable
5070	CE	(Data) Endpoint average LOW.	E	endpoint average too low
5071	CE	(Coag) First derivative peak not found.	E	Not identified any maximum peak meeting the criteria

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Code	Flag	Message	Error/ Warning	Description
5072	CE	(Coag) Second derivative peak not found.	E	No maximum or minimum peak meeting the criteria
5073	CE	(Data) Interference error.	E	The Interference Check of the Statistics Algorithm has failed
5074	CE	(Data) Number of spikes exceeds error limit.	E	Too many spikes were detected in the data.
5075	CE	(Params) No algorithm selected	E	The user has disabled the primary algorithm so there will be no measured result
5076	CE	(Reaction) Initial slope exceeds error limit.	E	The slope of the initial part of the reaction curve was greater than the maximum slope allowed.
5077	CE	(Prep) Insufficient liquid detected (Sample)	E	The AM has detected that there was not enough sample material to run the test
5078	CE	(Prep) Insufficient liquid detected (Reagent)	E	The AM has detected that there was insufficient reagent material with which to run the test.
5080	CE	(Data) Insufficient points remaining for calculation.	E	Due to points being removed from the original data curve due to either the signal check, the spike removal check, or the moving SD check, the number of points in the remaking data curve is too few to perform an operation that requires a specific number of data points.
5081	CE	(ORU) Hardware error	E	A hardware error has occurred that will prevent the measured result from being computed
5082	CE	(Prep) Missing post dispense rinse/clean detected	E	A missing dispense rinse and/or clean step has been detected by the SW. Due to a SW error, a post dispense rinse and/or clean step was not performed.
5083	CE	(Data) Normalized curve delta less than lowest calibrator delta.	E	The delta of the sample is less than the delta of the lowest calibrator (minus some tolerance amount), or there is no calibration data available for validation and Calibration Delta Check is enabled.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5084	CE	(Coag) Too many first derivative peaks.	E	Too many peaks were found within the first derivative and the specified window, indicating that the data curve is noisy.
5085	CE	(Coag) Too many second derivative peaks.	E	Too many peaks were found within the second derivative curves specified window, indicating that the data curve is noisy.
5086	CE	(Data) Result exceeds negative value limit.	E	The measured result is more negative than the maximum negative value allowed (zero if no negative values are allowed)
5087	CE	(Data) Result check FAILED.	E	The Result Check measured result failed.
5088	CE	(Prep) Aspiration baseline error.	E	Error when performing the aspiration baseline check
5089	CE	(Prep) Unexpected LLD error.	E	AM reported an unexpected LLD error
5090	CE	(Prep) Material dispense error	E	AM reported a material dispense error. An unexpected material dispense error was detected by the AM software. Not expected behavior.
5091	CE	(Data) Normalized curve delta too HIGH.	E	delta of curve invalid -- indicates that raw data exceeds allowed signal change across curve
5092	CE	(Data) Normalized data contains multiple thresholds.	E	The threshold error value is found more than one time in the data and the time between each of the consecutive occurrences of the threshold is greater than the defined time span.
5093	CE	(Coag) First derivative negative check failed	E	The Error Threshold value has been found in the first derivative curve.
5100	RE	Measured result failed	E	The result unit is the measured result and DR has been unable to compute it
5101	RE	NPP undefined	E	ratio denominator undefined. This could occur if not properly set up by the user or, in the case of an NPP material, if it was not executed prior to computing results that require it.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5102	RE	NPP failed	E	NPP result used in result calculation is failed.
5103	RE	ISI undefined	E	ISI value undefined
5104	RE	Estimation failed	E	result cannot be calculated
5105	RE	Paired partner test not available	E	The result is based on paired tests and one of them is not available due to being not configured properly.
5106	RE	Paired partner test failed	E	The result is based on paired tests and one or both of them are failed
5107	RE	Inconsistent test units between paired tests	E	The paired results do not have consistent result units with which to perform the paired result calculation. If using the measured result, the measured result units must be the same (i.e. both seconds). If using the calibrated result unit, the calibrated result units must be the same (i.e. both % activity).
5108	RE	Unable to compute parallelism CR	E	Unable to compute the Corrected Result for this determination and/or concentration
5109	RE	Unable to compute parallelism mean of CR	E	Unable to compute the mean of the corrected result (CR) excluding the 100% parallelism concentration.
5110	RE	Unable to compute parallelism mean of CR and 100%	E	Unable to compute the mean of the corrected result (CR) including the 100% parallelism concentration
5111	RE	Unable to compute parallelism mean 100%	E	Unable to compute the mean result of the 100% parallelism concentration
5112	RE	Unable to compute parallelism %CV of CR	E	Unable to compute the %CV of the corrected result (CR) from each concentration excluding the 100% concentration
5113	RE	Unable to compute parallelism %CV of CR and 100%	E	Unable to compute the %CV of the Corrected Result (CR) from each concentration including the 100% concentration

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5114	RE	Unable to compute parallelism slope	E	
5115	RE	Unable to compute parallelism y-intercept	E	
5116	RE	Unable to compute parallelism R^2	E	
5117	RE	(Range) Below Secondary Algorithm Range	E	The result value was computed using the secondary algorithm and was less than the minimum value allowed.
5118	RE	ISI value undefined. Lot not defined.	E	Unable to obtain ISI value because the lot of material is no longer defined.
5119	RE	Active calibration unit and calibration unit in the test definition do not match	E	The calibrated unit in the active calibration does not match the calibrated unit in the calibration definition. User modified the calibration unit in the test definitions and has not recalculated or run the calibration.
5120	RE	Maximum negative value exceeded	E	The result value was negative and was more negative than allowed for this unit.
5121	RE	(Range) Above Secondary Algorithm Range	E	The result value was computed using the secondary algorithm and was greater than the maximum value allowed.
5122	RE	Calibrated result is out of Calibration Range High	E	For polynomial regression. The measured result is larger than the measured value for the highest calibration point, but the calibrated value is below the highest target value.
5190	HW	Temperature out of range	W	Generic flag indicating that at least one temperature reading was out of range. All temperature out of range alarms are mapped to a single flag within each determination
5191	HW	Warning detected in ORU	W	Generic ORU warning. If signal checks are enabled in the test definitions for the particular test, all ORU flags are treated as warning.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5192	HW	Material stirring warning	W	The AM has detected that the material stirring mechanism is not stirring the material and this is a coagulation test (stirring prolongs material stability).
5200	CW	(Data) First point OUT OF RANGE.	W	Out of starting point range.
5201	CW	(Data) Baseline SD exceeds warning limit	W	Baseline SD is out of range.
5202	CW	(Data) Baseline average LOW.	W	Baseline average too low.
5203	CW	(Data) Baseline average HIGH.	W	Baseline average too high.
5204	CW	(Data) Invalid point(s)	W	At least one data point has been found out of the acceptable range or with an ORU flag associated with it.
5205	CW	(Data) Endpoint SD exceeds warning limit	W	Endpoint SD is out of range.
5206	CW	(Data) Endpoint average LOW.	W	Endpoint average too low.
5207	CW	(Data) Endpoint average HIGH.	W	Endpoint average too high.
5208	CW	(Data) Delta of Curve Lower Limit below warning limit	W	Curve delta below valid delta.
5209	CW	(Coag) Maxima of 1st derivative below warning limit	W	First derivative peak below limit.
5210	CW	(Coag) Maxima of 2nd derivative below warning limit	W	2nd derivative maxima peak below limit.
5211	CW	(Coag) Minima of 2nd derivative is below warning limit	W	2nd derivative minima peak below limit.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5212	CW	(Reaction) Linear regression SD exceeds warning limit	W	Maximum SD exceeded for linear regression.
5213	CW	(Coag) Second threshold limit not found	W	Second threshold not found.
5214	CW	(Coag) Max (min) time violation	W	Time exceeded on threshold/derivative check.
5216	CW	(Data) Last point OUT OF RANGE.	W	Curve drifting -- the last point in the raw data is outside specified % of curve.
5217	CW	(Coag) 1st derivative peak delta below warning limit	W	Max peak to baseline delta below minima.
5218	CW	(Coag) 1st derivative max peak delta % below warning limit	W	Max peak to baseline delta percent lower than warning limit.
5219	CW	(Coag) 2nd derivative peak delta below warning limit	W	Peak delta below minima.
5220	CW	(Coag) 2nd derivative peak delta % below warning limit	W	Peak delta percent lower than warning limit.
5221	CW	(Data) Interference warning	W	The Interference Check of the Statistics Algorithm failed.
5222	CW	(Data) Number of spike(s) exceeds warning limit	W	At least one spike has been detected in the data
5223	CW	(Reaction) Initial slope exceeds warning limit	W	The initial slope of the reaction curve is greater than the specified warning limit

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5224	CW	(Coag) Derivative first point	W	The clotting time selected for the derivative curve corresponds to the first data point in the derivative curve
5225	CW	(Coag) Threshold Check	W	The result found using the backwards threshold check is not within the valid range of the result found using the first or second derivative algorithm.
5227	CW	(Data) Normalized curve delta less than lowest calibrator delta.	W	The delta of the normalized data curve is less than the warning tolerance amount based upon the delta of the lowest calibration point.
5228	CW	(Coag) 2nd derivative max peak delta below minima	W	Max peak to baseline delta below minima.
5229	CW	(Coag) 2nd derivative max peak delta % below warning limit	W	Max peak to baseline delta percent lower than warning limit.
5230	CW	(Data) Result check FAILED.	W	The algorithm used with the result check produced a failed measured result.
5231	CW	(Data) Delta of Curve Upper Limit above warning limit	W	Curve delta above valid delta.
5232	CW	(Data) Normalized data contains multiple thresholds.	W	The threshold warning value is found more than one time in the data and the time between each of the consecutive occurrences of the threshold is greater than the defined time span.
5250	RW	Missing determinations	W	Less determinations than currently configured.
5251	RW	Too many concentrations	W	More concentrations than currently configured.
5252	RW	%Max difference of replicates exceeded.	W	Max Difference between replicates greater than allowed.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5253	RW	Max. variance of parallelism dilution out of range	W	The difference between each dilution and the 100% dilution of the parallelism result is exceeded.
5254	RW	Slope out of range	W	
5255	RW	Parallelism R ² out of range	W	
5256	RW	Too many determinations	W	More determinations than currently configured.
5257	RW	Missing concentrations	W	Less concentrations than currently configured.
5259	RW	%CV of the CR is greater than the maximum %CV allowed	W	Calculated CV exceeds the limits.
5260	RW	%CV of the CR and the 100% dilution is greater than the maximum %CV allowed.	W	Calculated CV exceeds the limits.
5261	RW	Parallelism has one or more dilutions that exceeds the max.variance	W	Calculated CV exceeds the limits.
5262	RW	Results recalculated	W	This test has had its results recalculated.
5266	RW	DR warning on measured result	W	The measured result that was used to compute this result had a warning associated with it.
5267	RW	One or more failed replicates	W	One or more replicate result(s) is failed.
5268	RW	One or more component results used to calculate the paired result contains a flag	W	One of the component results used to calculate a paired result contains a flag (warning, except Maintenance overdue warning).

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5301	QC	QC overdue	E	The expiration date for a QC has been reached.
5302	QC	QC failed	E	QC rules have failed. It is a hint to detect problems in the measurement.
5400	NP	NPP has warning	W	NPP used to compute result from the same test definition had a warning (only true if NPP is configured to run as a material). This flag may be set for paired results (that use NPP in their calculation) as well as R and INR results. The flags within the NPP sample that will result in this flag are the following: 1. There is a warning on the NPP measured result. 2. There is an error on the NPP measured result. 3. There is a warning on the NPP calibrated result (if computed). 4. The measured result is outside of one of the enabled ranges. 5. One of the materials used to generate the NPP sample has expired. 6. One of the materials used to generate the NPP sample has expired stability. 7. The NPP frequency has expired. 8. One of the materials used to generate the NPP sample had a stirring warning . NOTE: NPP from master test is not checked for this flag
5401	NP	NPP overdue	E	Job executed when NPP frequency was expired.
5500	HT	(Range) Above Test Range.	W	One or more results is out of test range high.
5501	LT	(Range) Below Test Range.	W	One or more results is out of test range low.
5502	HL	(Range) Above Linear Range.	W	One or more results is out of linear range high.
5503	LL	(Range) Below Linear Range.	W	One or more results is out of linear range low.
5504	HH	(Range) Above Therapeutic Range.	W	One or more results is out of Therapeutic range high.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5505	LH	(Range) Below Therapeutic Range.	W	One or more results is out of Therapeutic range low.
5506	HN	(Range) Above Normal Range.	W	One or more results is out of Normal range high.
5507	LN	(Range) Below Normal Range.	W	One or more results is out of Normal range low.
5508	HC	(Range) Above Extrapolation Range (Range)	E	The computed calibrated result value is greater than the maximum calibrated result value allowed.
5509	LC	(Range) Below Extrapolation Range	E	The calibrated result value is less than the minimum value allowed for a calibrated result.
5510	CR	One or more results are out of Calibration Range (High or Low)	W	One or more results is out of Calibration Range.
5511	TR	One or more results are out of Test Range (High or Low)	W	One or more results is out of Test range. One of the results has a out of test range flag on the result.
5512	LR	One or more results are out of Linear Range (High or Low)	W	One or more results is out of Linear range.
5550	CA	Valid calibration is not available	W	Calibration has been disabled or there is no validated calibration with the same reagent lots or the validated calibration is failed and the job requires a calibration to complete its result computations. Calibration is imported by results data from a non-validated or non existing master calibration.
5551	CA	Calibration overdue	E	Job has been executed with the calibration in overdue status.
5552	CA	Calibration estimation failed	E	Calibration does not have result.
5553	CA	Calibration slope out of range	E	Calibration slope out of range.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5554	CA	Calibration R^2 out of range	E	Coefficient of determination out of range.
5555	CA	Calibration failed due to lack of data	E	Not enough good points.
5556	CA	Calibration y-intercept out of range	E	Y-intercept out of range.
5557	CA	Calibration %CV of dilution exceeded	E	The %CV of a particular dilution is greater than the maximum CV allowed.
5558	CA	Calibration has one or more dilutions that exceeds %CV	E	Calculated CV exceeds the limits.
5560	CA	First and last calibration points cannot be the same	E	The measured results of the calibration are not valid. The data generated is not consistent with what is expected for calibration data. The measured result value of the highest concentration must be different than the measured result value of the lowest concentration.
5563	CA	Calibration minimum number of replicates for dilution is not found.	E	The minimum number of replicates for the particular dilution do not have good result values.
5564	CA	Calibration has one or more dilutions that do not have the minimum number of replicates	E	At least one dilution does not have the minimum number of replicates as specified.
5565	CA	Calibration failed. Lot not defined.	E	The lot of material that was used to generate the original calibration results is no longer defined and therefore the calibration cannot be recalculated.
5566	CA	Calibration results trend not consistent	E	The results of the calibration do not follow a consistent trend, either all values must increase or all values must decrease, but they cannot increase and decrease as the concentration levels change.

Data Flags				
Code	Flag	Message	Error/ Warning	Description
5567	CA	Calibration curve not monotonic	E	The calibration curve will be flagged as not monotonic, if the monotonic check is enabled and detects multiple results for the one or more measured value in one or more segment within the tested range. For Spline calibrations, the range is the limit of the spline calibration points. For Polynomial calibrations, the range is the limit of the extrapolation range.
5568	CA	Calibration and parallelism transformations do not match	W	Calibration transformations do not match parallelism transformations. User modified the parallelism transformation values and has not recalculated the calibration results.
5569	CA	Dilution mean exceeded tolerance range	W	Dilution mean exceeded tolerance range.
5600	MT	Maintenance overdue or failed	W	Job executed with some maintenance activity in overdue status.
5650	ME	Material stability	W	One or more materials stability has expired for this determination.
5651	ME	Material expired	W	One or more of the materials used to run this determination has expired.
5653	ME	Alternate lot in use	W	An alternative lot was in use when the job was run.
5654	ME	Alternate lot in use	W	An alternative lot was used for jobs that this job uses to compute results.(Calibration, NPP or master job).
5657	ME	One or more determinations has a material stability warning	E	Remaining stability for last vial expired.
5658	ME	One or more determinations has a material expiration warning	E	The present date is greater than the expiration date of the last available vial/lot.
5659	ME	One or more determinations has a material stirring warning	W	The stirring mechanism for a material requiring stirring is no longer functional.
5660	ME	LAS Sample expired during processing	W	LAS sample expired during processing.

Data Flags				
Code	Flag	Message	Error/Warning	Description
5700	SE	Volume Tracking - Insufficient Liquid (Sample)	E	Error indicating that there was insufficient sample to pipette. If this happens during a dilution preparation, all replicates for that dilution are flagged.
5701	SE	Volume Tracking - Insufficient Liquid (Reagent)	E	The AM determined that there was insufficient reagent to pipette. If this happens during a dilution preparation, all replicates for that dilution are flagged.
5702	SE	Missing post dispense rinse/clean detected	E	Error indicating missing dispense of rinse or clean was detected in the software. Due to timing issues in the scheduler. Because of a SW error a post dispense clean or rinse step is not performed. This check is done for safety purposes.
5703	SE	Material dispense error	E	Because of a scheduling error, a material that should have been dispensed into the reaction cuvette was not dispensed. This check is done for safety purposes and it is intended that this error will never be seen.
5800	IU	For Investigational Use Only	W	The test parameters have been developed for investigational use only.
5751	PW	Sample tube underfilled	W	The instrument detected sample tube is underfilled during first sample aspiration. Low Limit TFH = Low Limit calibrated - 0.7 mm.
5760	PW	Fluidic obstruction	W	The instrument detected a sample aspiration occlusion.
5770	PW	Hemoglobin high	W	Sample concentration of hemoglobin too high and could affect test results.
5771	PW	Bilirubin (Icterus) high	W	Sample concentration of bilirubin too high and could affect test results.
5772	PW	Lipemia high	W	Sample Lipemia too high and could affect test results.
5773	PW	HIL test pending	W	Temporary flag to indicate the HIL test is still pending execution and calculation. When HIL result arrives, it will be replaced.
5774	PW	HIL test failed	W	Unable to calculate HIL at sample or job level.
5775	PW	HIL test canceled	W	HIL Dilution test canceled by the user. The system will not request more HIL data.
5776	PW	HIL not available	W	HIL results are not available: HIL is not feasible because there is not enough sample.

Data Flags				
Code	Flag	Message	Error/Warning	Description
5777	PW	HIL out of range high	W	End point algorithm for at least one wavelength for HIL is greater than threshold.
5801	IU	Software in experimental operation and/or Service or Specialist logged-in	W	The instrument is running experimental or debug version software and/or an IL Service or an IL Specialist is currently logged on. AM SW has been told to run in a special mode (fake LLD, disable heartbeat, short init, etc) via the CM.INI file.
5851	PE	Sample tube underfilled	E	The instrument detected sample tube is underfilled during first sample aspiration. Low Limit TFH = Low Limit calibrated - 0.7 mm.
5860	PE	Fluidic obstruction	E	The instrument detected a sample aspiration occlusion.
5870	PE	Hemoglobin high	E	Sample concentration of hemoglobin too high and could affect test results.
5871	PE	Bilirubin (Icterus) high	E	Sample concentration of bilirubin too high and could affect test results.
5872	PE	Lipemia high	E	Sample Lipemia too high and could affect test results.
NA (not displayed as text)	CA	Calibration point deleted	W	The user has deleted this calibration point (measured result) and it is no longer used to compute the calibration results.
NA (not displayed as text)	CA	Point is considered an outlier	W	Data Reduction has automatically removed this calibration point from use when computing the calibration curve because the user has enabled outlier removal, there are at least 3 measured results with values for this concentration and this value is the outlier.
NA (not displayed as text)	CA	Calibration value manually entered	W	The user has manually entered the measured result value of this calibration point.

Related Topics

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