Core Lab Hematology Updates/Workarounds 1

KAISER PERMANENTE®

1) Workflow for Platelet Clumps Review

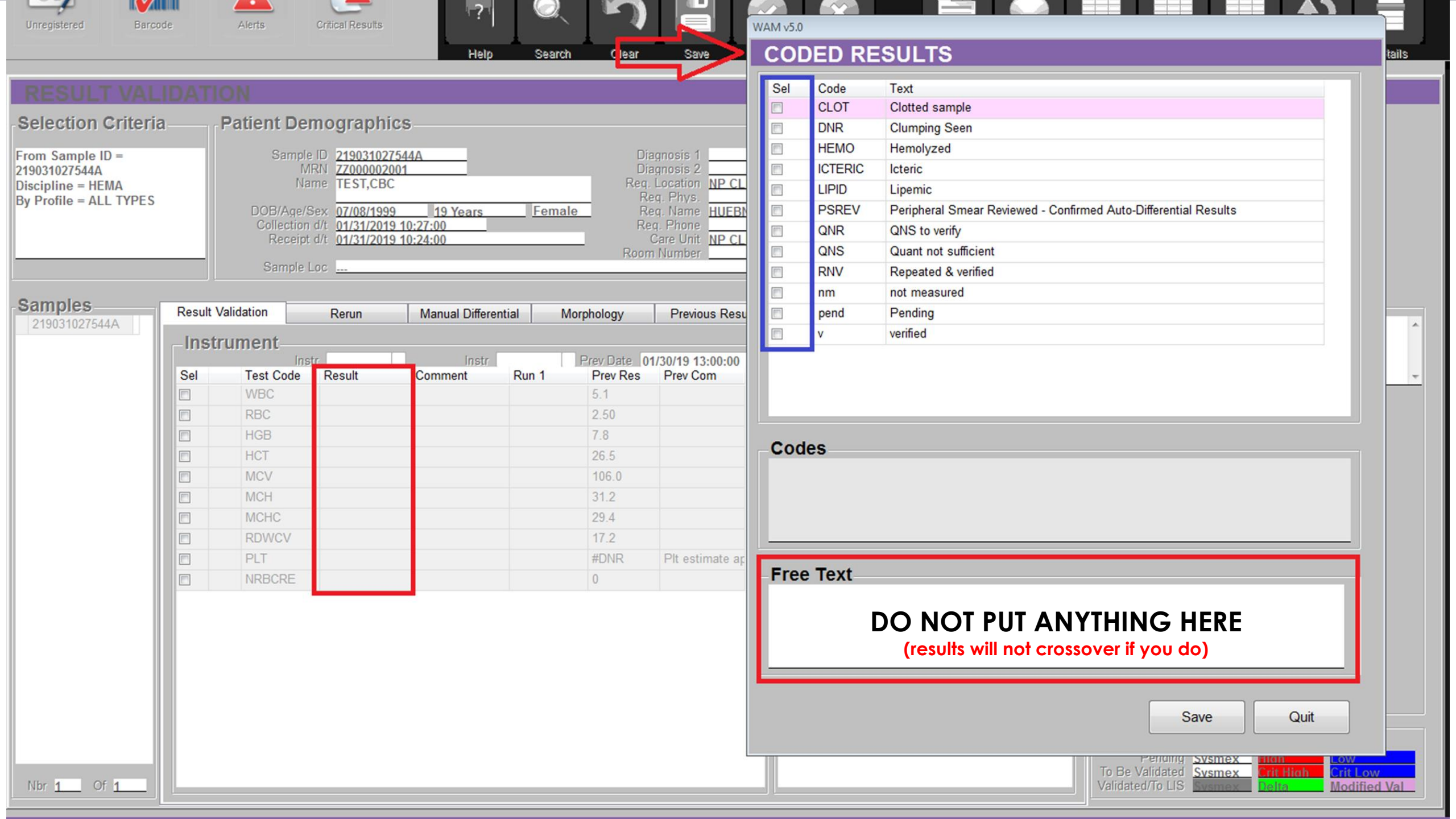
1) Delete the platelet count in WAM.
2) Then double click on the PLT **Result** area, a POP screen will appear, choose **DNR** this will be reported as **CLUMPING SEEN**. Click **SAVE**, do not put anything on the **Free Text** box.
3) Then double click on the **Comment** section, **ADD** a comment on the **Free Text** box:

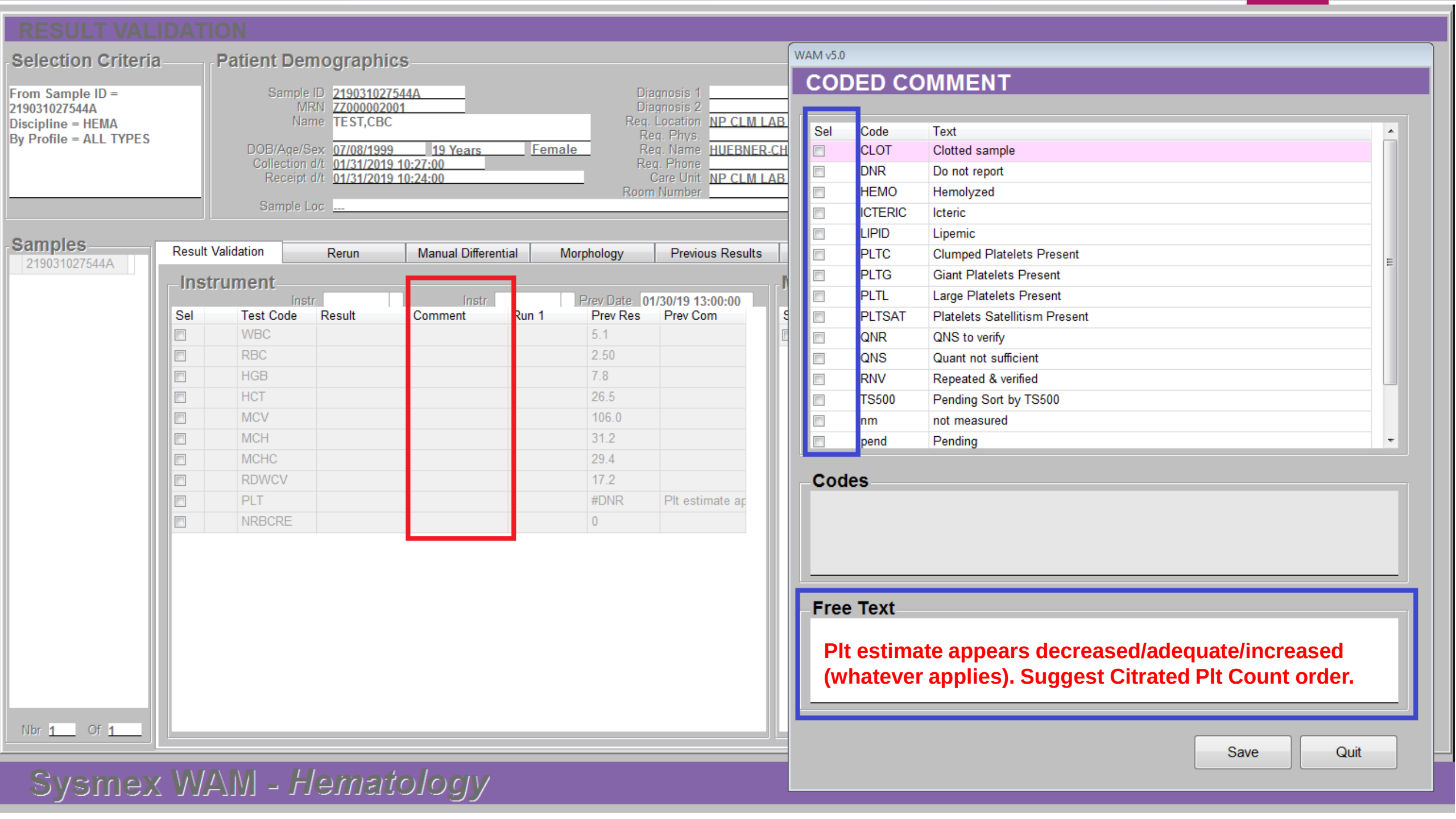
   "Plt estimate appears decreased/adequate/increased (whatever applies). Suggest Citrated Plt Count order."

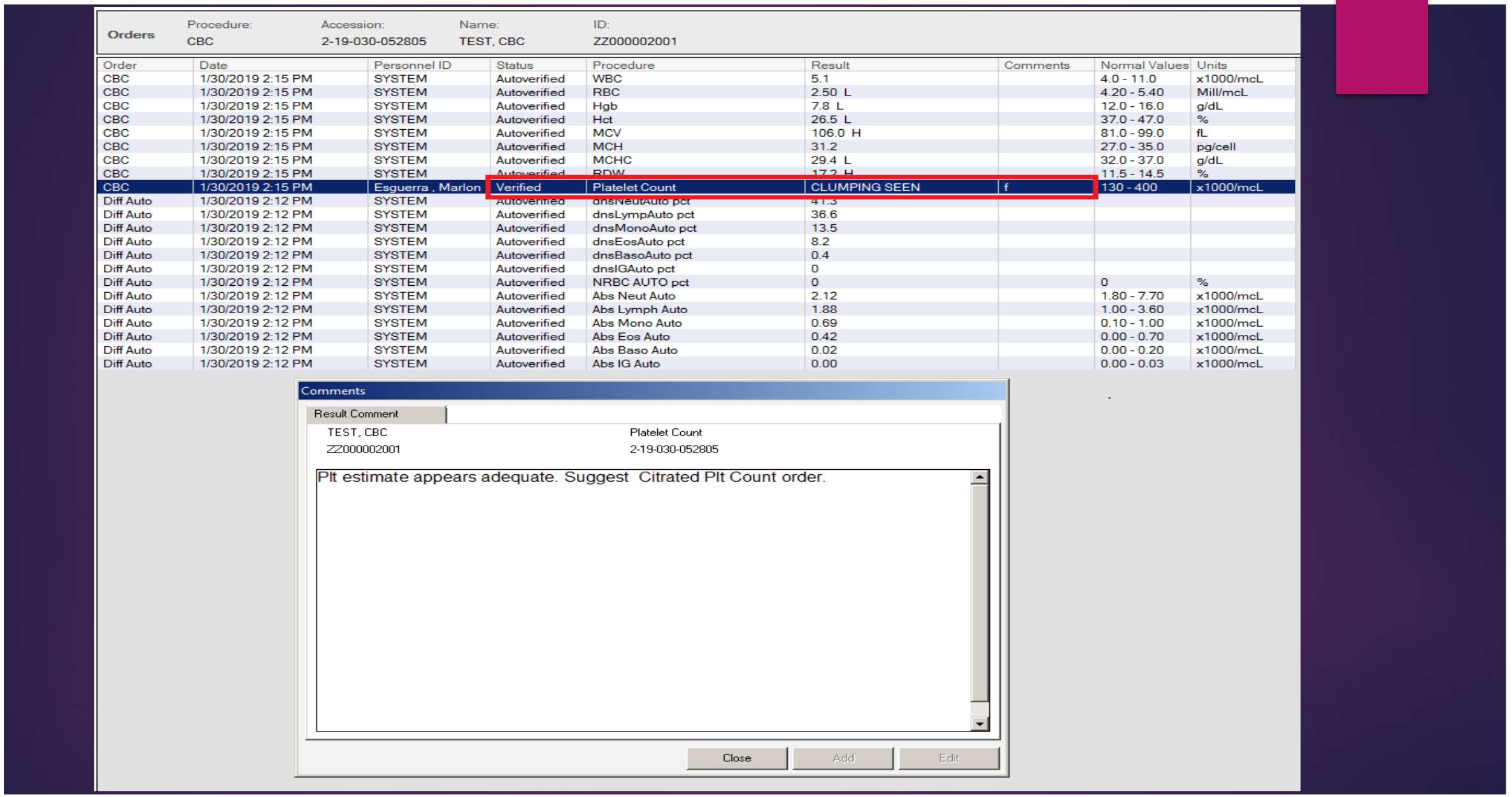
4) Do platelet count on citrate (if there's an order).

NOTE: Presence of small occasional clumping is fine.

*working on having a canned comment available in WAM for the PLT.


Unregistered
Barcode
Alerts
Critical Results
Help
Search
Clear
Save
RESULT VALIDATION
Selection Criteria
From Sample ID = 219031027544A
Discipline = HEMA
By Profile = ALL TYPES
Patient Demographics
Sample ID 219031027544A
MRN ZZ000002001
Name TEST,CBC
DOB/Age/Sex 07/08/1999 19 Years Female
Collection d/t 01/31/2019 10:27:00
Receipt d/t 01/31/2019 10:24:00
Sample Loc ---
Diagnosis 1
Diagnosis 2
Req. Location NP CL
Req. Phys.
Req. Name HUEBN
Req. Phone
Care Unit NP CL
Room Number
Samples
219031027544A
Nbr 1 Of 1
Result Validation
Rerun
Manual Differential
Morphology
Previous Resu
Instrument
Instr
Instr
Prev Date 01/30/19 13:00:00
Sel
Test Code
Result
Comment
Run 1
Prev Res
Prev Com
WBC 5.1
RBC 2.50
HGB 7.8
HCT 26.5
MCV 106.0
MCH 31.2
MCHC 29.4
RDWCV 17.2
PLT #DNR Plt estimate ap
NRBCRE 0
WAM v5.0
CODED RESULTS
Sel
Code
Text
CLOT Clotted sample
DNR Clumping Seen
HEMO Hemolyzed
ICTERIC Icteric
LIPID Lipemic
PSREV Peripheral Smear Reviewed - Confirmed Auto-Differential Results
QNR QNS to verify
QNS Quant not sufficient
RNV Repeated & verified
nm not measured
pend Pending
v verified
Codes
Free Text
DO NOT PUT ANYTHING HERE
(results will not crossover if you do)
Save
Quit
Pending Sysmex High Low
To Be Validated Sysmex Crit High Crit Low
Validated/To LIS Sysmex Delta Modified Val


RESULT VALIDATION
Selection Criteria
From Sample ID = 219031027544A
Discipline = HEMA
By Profile = ALL TYPES
Patient Demographics
Sample ID 219031027544A
MRN ZZ000002001
Name TEST,CBC
DOB/Age/Sex 07/08/1999 19 Years Female
Collection d/t 01/31/2019 10:27:00
Receipt d/t 01/31/2019 10:24:00
Sample Loc ---
Diagnosis 1
Diagnosis 2
Req. Location NP CLM LAB
Req. Phys.
Req. Name HUEBNER-CH
Req. Phone
Care Unit NP CLM LAB
Room Number
Samples
219031027544A
Nbr 1 Of 1
Result Validation
Rerun
Manual Differential
Morphology
Previous Results
Instrument
Instr
Instr
Prev Date 01/30/19 13:00:00
Sel
Test Code
Result
Comment
Run 1
Prev Res
Prev Com
WBC 5.1
RBC 2.50
HGB 7.8
HCT 26.5
MCV 106.0
MCH 31.2
MCHC 29.4
RDWCV 17.2
PLT #DNR Plt estimate ap
NRBCRE 0
WAM v5.0
CODED COMMENT
Sel
Code
Text
CLOT Clotted sample
DNR Do not report
HEMO Hemolyzed
ICTERIC Icteric
LIPID Lipemic
PLTC Clumped Platelets Present
PLTG Giant Platelets Present
PLTL Large Platelets Present
PLTSAT Platelets Satellitism Present
QNR QNS to verify
QNS Quant not sufficient
RNV Repeated & verified
TS500 Pending Sort by TS500
nm not measured
pend Pending
Codes
Free Text
Plt estimate appears decreased/adequate/increased (whatever applies). Suggest Citrated Plt Count order.
Save
Quit
Sysmex WAM - Hematology



Orders

Procedure: CBC

Accession: 2-19-030-052805

Name: TEST, CBC

ID: ZZ000002001

Order	Date	Personnel ID	Status	Procedure	Result	Comments	Normal Values	Units
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	WBC	5.1		4.0 - 11.0	x1000/mcL
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	RBC	2.50 L		4.20 - 5.40	Mill/mcL
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	Hgb	7.8 L		12.0 - 16.0	g/dL
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	Hct	26.5 L		37.0 - 47.0	%
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	MCV	106.0 H		81.0 - 99.0	fL
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	MCH	31.2		27.0 - 35.0	pg/cell
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	MCHC	29.4 L		32.0 - 37.0	g/dL
CBC	1/30/2019 2:15 PM	SYSTEM	Autoverified	RDW	17.2 H		11.5 - 14.5	%
CBC	1/30/2019 2:15 PM	Esguerra , Marlon	Verified	Platelet Count	CLUMPING SEEN	f	130 - 400	x1000/mcL
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	dnsNeutAuto pct	41.3			
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	dnsLympAuto pct	36.6			
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	dnsMonoAuto pct	13.5			
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	dnsEosAuto pct	8.2			
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	dnsBasoAuto pct	0.4			
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	dnsIGAuto pct	0			
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	NRBC AUTO pct	0		0	%
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	Abs Neut Auto	2.12		1.80 - 7.70	x1000/mcL
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	Abs Lymph Auto	1.88		1.00 - 3.60	x1000/mcL
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	Abs Mono Auto	0.69		0.10 - 1.00	x1000/mcL
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	Abs Eos Auto	0.42		0.00 - 0.70	x1000/mcL
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	Abs Baso Auto	0.02		0.00 - 0.20	x1000/mcL
Diff Auto	1/30/2019 2:12 PM	SYSTEM	Autoverified	Abs IG Auto	0.00		0.00 - 0.03	x1000/mcL

Comments

Result Comment

TEST, CBC — Platelet Count

ZZ000002001 — 2-19-030-052805

Plt estimate appears adequate. Suggest Citrated Plt Count order.

Close | Add | Edit

Final Step:

Once the results crossover to Cerner, remember to check and **VERIFY** the PLT result. It will not AUTOVERIFY.

Once verified, then you're **DONE** ☺

2) WAM OP Alert Review

The WAM OP alert tells the CLS what **RULES** were triggered by the results and which run. Then it guides the CLS on what to do to resolve the issue.

By default, you see the OP alert on the upper right side of your WAM screen and it is highlighted. However, it doesn't show the "whole story" because it gets cut off by the small window.

To see the "whole story" you would need to:

- Click the **OP Alerts TAB** on the result section.
- Then click the first alert on the left side. The detail information will show on the ride side.
- If you have more than 1 OP Alert, you need to click each one to see the detailed information for each run.

WAM v5.0 - [Main Menu]

Unregistered | Barcode | Alerts | Critical Results

Logged in as M379492 on 02/20/2019 at 12:04:41 Site: H

Your last successful login was on 02/20/2019 at 07:50:24

Help | Search | Clear | Save | Accept | Quit | Actions | Comments | Val All | Val CBC | Val Sel | Refresh | Details

RESULT VALIDATION

Selection Criteria

From Sample ID = 219044056372C
Discipline = HEMA
By Profile = ALL TYPES

Patient Demographics

Sample ID 219044056372C
MRN 6857978
Name HOWARD,KIMMEY E
DOB/Age/Sex 02/20/1964 | 55 Years | Female
Collection d/t 02/13/2019 15:36:00
Receipt d/t 02/14/2019 05:43:00
Sample Loc HXN903-XN-000000-00

Diagnosis 1
Diagnosis 2
Req. Location BEL BEL ONC 1F
Req. Phys.
Req. Name SIMMONS,ELIZABETH
Req. Phone
Care Unit BEL BEL ONC 1F
Room Number

OP Alerts

Run	Description
1	Ret Abn Scattergram: Dilute w/DCL, rerun in Man mode. Report Ret%
1	Lymphocytosis: Scan slide.
2	Lymphocytosis: Scan slide.

Samples

219044056372C

Nbr 1 Of 1

Result Validation | Rerun | Manual Differential | Morphology | Previous Results | View Critical Calls | OP Alerts

Instrument

Instr HXN903 Instr HXN903 Prev Date 12/14/18 11:50:00

Sel	Test Code	Result	Comment	Run 1	Prev Res	Prev Com
	WBC	10.2			9.0	
	RBC	2.81			2.58	
	HGB	9.1			8.1	
	HCT	26.6			23.9	
	MCV	94.7			92.6	
	MCH	32.4			31.4	
	MCHC	34.2			33.9	
	RDWCV	16.9			16.9	
	PLT	475			413	
	NRBCRE	1			4	
	NEUTRE	41.9				
	LYMPRE	50.5				
	MONORE	4.5				
	EOSIRE	1.6				
	BASORE	1.1				
	NEUTAB	4.28				
	LYMPAB	5.16				
	MONOAB	0.46				
	EOSIAB	0.16				
	BASOAB	0.11				

Manual

Count 1 Count 2

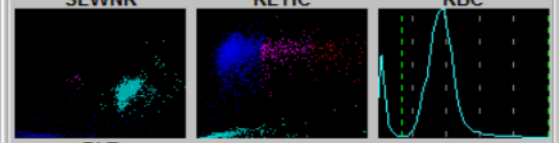
Sel	Test Code	Result	Comment
	HEMHLD	Sorted	
	RBCM	Abnormal	
	ANIS	Few	
	MACRO	Moderate	
	POIK	Few	
	POLY	Few	
	TARG	Few	
	TEARD	Few	
	PLTE	Increased	
	SMEAR5	DM Cell Cou	

Flags

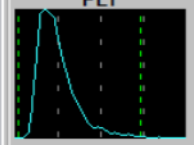
Run 1 - LYMPHOCYTOSIS
Run 1 - RET ABN SCATTERGRAM
Run 2 - ANEMIA

Images for Run 2

SEWNR | RETIC | RBC



PLT



Result Status

Pending	Sysmex	High	Low
To Be Validated	Sysmex	Crit High	Crit Low
Validated/To LIS	Sysmex	Delta	Modified Val

WAM v5.0 - [Main Menu]

Unregistered | Barcode | Alerts | Critical Results

Logged in as M379492 on 02/20/2019 at 12:04:41 Site: H

Your last successful login was on 02/20/2019 at 07:50:24

Help | Search | Clear | Save | Accept | Quit | Actions | Comments | Val All | Val CBC | Val Sel | Refresh | Details

RESULT VALIDATION

Selection Criteria

From Sample ID = 219044056372C
Discipline = HEMA
By Profile = ALL TYPES

Patient Demographics

Sample ID 219044056372C
MRN 6857978
Name HOWARD,KIMMEY E
DOB/Age/Sex 02/20/1964 | 55 Years | Female
Collection d/t 02/13/2019 15:36:00
Receipt d/t 02/14/2019 05:43:00
Sample Loc HXN903-XN-000000-00

Diagnosis 1
Diagnosis 2
Req. Location BEL BEL ONC 1F
Req. Phys.
Req. Name SIMMONS,ELIZABETH
Req. Phone
Care Unit BEL BEL ONC 1F
Room Number

OP Alerts

Run	Description
1	Ret Abn Scattergram: Dilute w/DCL, rerun in Man mode. Report Ret%
1	Lymphocytosis: Scan slide.
2	Lymphocytosis: Scan slide.

Samples

219044056372C

Nbr 1 Of 1

Result Validation | Rerun | Manual Differential | Morphology | Previous Results | View Critical Calls | OP Alerts

Instrument

Instr HXN903 Instr HXN903 Prev Date 12/14/18 11:50:00

Sel	Test Code	Result	Comment	Run 1	Prev Res	Prev Com
	WBC	10.2			9.0	
	RBC	2.81			2.58	
	HGB	9.1			8.1	
	HCT	26.6			23.9	
	MCV	94.7			92.6	
	MCH	32.4			31.4	
	MCHC	34.2			33.9	
	RDWCV	16.9			16.9	
	PLT	475			413	
	NRBCRE	1			4	
	NEUTRE	41.9				
	LYMPRE	50.5				
	MONORE	4.5				
	EOSIRE	1.6				
	BASORE	1.1				
	NEUTAB	4.28				
	LYMPAB	5.16				
	MONOAB	0.46				
	EOSIAB	0.16				
	BASOAB	0.11				

Manual

Count 1 Count 2

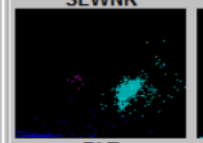
Sel	Test Code	Result	Comment
	HEMHLD	Sorted	
	RBCM	Abnormal	
	ANIS	Few	
	MACRO	Moderate	
	POIK	Few	
	POLY	Few	
	TARG	Few	
	TEARD	Few	
	PLTE	Increased	
	SMEAR5	DM Cell Cou	

Flags

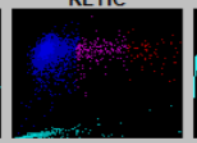
Run 1 - LYMPHOCYTOSIS
Run 1 - RET ABN SCATTERGRAM
Run 2 - ANEMIA

Images for Run 2

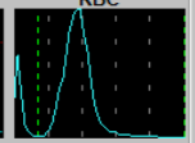
SEWNR



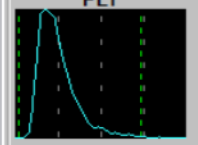
RETIC



RBC



PLT



Result Status

Pending	Sysmex	High	Low
To Be Validated	Sysmex	Crit High	Crit Low
Validated/To LIS	Sysmex	Delta	Modified Val

WAM v5.0 - [Main Menu]

Unregistered | Barcode | Alerts | Critical Results

Logged in as M379492 on 02/20/2019 at 12:04:41 Site: H

Your last successful login was on 02/20/2019 at 07:50:24

Help | Search | Clear | Save | Accept | Quit | Actions | Comments | Val All | Val CBC | Val Sel | Refresh | Details | Log Off

RESULT VALIDATION

Selection Criteria

From Sample ID = 219044056372C
Discipline = HEMA
By Profile = ALL TYPES

Patient Demographics

Sample ID	219044056372C	Diagnosis 1	
MRN	6857978	Diagnosis 2	
Name	HOWARD,KIMMEY E	Req. Location	BEL BEL ONC 1F
		Req. Phys.	
DOB/Age/Sex	02/20/1964 / 55 Years / Female	Req. Name	SIMMONS,ELIZABETH
Collection d/t	02/13/2019 15:36:00	Req. Phone	
Receipt d/t	02/14/2019 05:43:00	Care Unit	BEL BEL ONC 1F
		Room Number	
Sample Loc	HXN903-XN-000000-00		

OP Alerts

Run	Description
1	Ret Abn Scattergram: Dilute w/DCL, rerun in Man mode. Report Ret%
1	Lymphocytosis: Scan slide.
2	Lymphocytosis: Scan slide.

Samples

219044056372C

Nbr 1 Of 1

Result Validation | Rerun | Manual Differential | Morphology | Previous Results | View Critical Calls | OP Alerts

219044056372C | 218348030665B

Operator Alerts

Run	Description
1	Ret Abn Scattergram: Dilute w/DCL, rerun in Man mode. Report Ret% if no flags. Scan sl
1	Lymphocytosis: Scan slide.
2	Lymphocytosis: Scan slide.

Detail Information

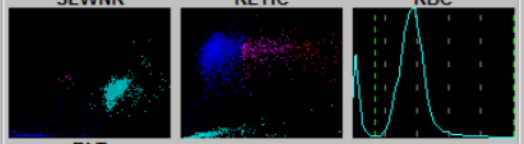
Ret Abn Scattergram: Dilute w/DCL, rerun in Man mode. Report Ret% if no flags. Scan slide if necessary.

Flags

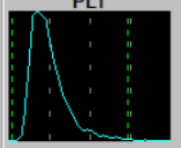
Run 1 - LYMPHOCYTOSIS
Run 1 - RET ABN SCATTERGRAM
Run 2 - ANEMIA

Images for Run 2

SEWNR | RETIC | RBC



PLT



Result Status

Pending	Sysmex	High	Low
To Be Validated	Sysmex	Crit High	Crit Low
Validated/To LIS	Sysmex	Delta	Modified Val

LIS Interfaces | Instr Interfaces | Alerts | QC-Alerts

Orders Pending 179

Orders Rerun 5

To Validate

QC-To Validate

Last Updated 02/20/2019 12:14:41

Sysmex WAM - *Hematology*

KAISER PERMANENTE®