

## Processing UK NEQAS Differential and Reticulocyte samples through XN Series analysers

In order to obtain correct results, the UK NEQAS Differential and reticulocytes survey samples need to be processed using the QC program on Sysmex haematology instruments. The UK NEQAS FBC sample should be run as a normal sample. Please see instructions below for details on how to process these samples on different analyser types.

1. Select the QC icon from the main menu of the system IPU.



2. Select an empty control file.





3. Select the 'Register' option from the toolbar

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Sort:	File No.(Asc.)				•	A	ΑΑΑ	A			
	Nickname	File No.	Material	Lot No.	Regist. Dat	e Analysis Date	Exp. Da	_			
	XN-20	QC01	Control Level1	QC-11851101	23/08/2011	23/08/2011 16:38:32	25/09/20	-			
	XN-20	QC82	Control Level3	QC-11851103	23/08/2011	06/09/2011 16:29:30	25/09/20				
	XN-20	QC83	Control Level2	QC-11851102	23/08/2011	23/08/2011 16:37:16	25/09/20				
	XN-20	QC84	BF Control Leve	11 QC-11851301	23/08/2011	06/09/2011 11:47:33	25/09/20				
	XN-20	QC05	BF Control Leve	12 QC-11851302	23/08/2011	06/09/2011 11:45:41	25/09/20				
	XN-20	QC86									
	XN-20	QC87									
	XN-20	QC08									
	XN-20	QC89					_				
	XN-20	QC10									
	XN-20	QC11									
	XN-20	QC12									
	XN-20	QC13									
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XN-20											
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XN-20										1.00	
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4. At the 'Input Lot Information' screen select the material as 'Control Level 3'

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Nickname XN-20	Fil	e No. QC10								• 💼 🗙
Lot Information Material	Target/Limit S	ettings					Manual Settings			
Control Level1 -	Item	Lower Limit	Target	Upper Limit	Unit		Item	RBC		
Control Level1	RBC	0.00		99.99	10^6/uL	2	Target			
Control Level2	HGB	0.0		999.9	g/dL		Limit Rance (#)	99,99	#	
Control Level3	нст	0.0		999.9	%					
BF Control Level1	MCV	0.0		999.9	fL		Variat	le Target		
BF Control Level2	мсн	0.0		999.9	pg		Auto	Settings		
Other	мснс	0.0		999.9	g/dL	~	Read A	ssay Items		
Read Assay File				Backup	Res	tore				
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XN-20 QC23							2			-
XN-20							· 📄			
N-20							,			
Start up Coc DIFF RET PLIFF WPC	<b>LING</b> L									Printer HOST
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5. Type the UK NEQAS lot number in the field Lot No:.

Nickname XN-20	Fi	le No. QC02								
ot Information Material	Target/Limit S	Settings					Manual Settings			
Control Level3 -	Iten	Lower Limit	Target	Upper Limit	Unit	~	Item	RBC		
	RBC	4.97	5.23	5.49	18^6/uL	•	Target	5.23		?
ot No.	HGB	16.2	16.7	17.2	g/dL		Limit Range (#)	0.25		structions for Us
QC- 11851165	нст	44.9	47.3	49.7	x		chine reange (w)			
in Data	MCV	86.9	90.5	94.1	fL		Variabl	e Target		
25/09/2011 -	мсн	30.3	31.9	33.5	PS		Auto S	Settings		
	мснс	33.5	35.3	37.1	g/dL	-	Read As	say Items		IPU Setting
Read Assay File				Backup	Res	tore				
					11			_		
							C	K Can	cel	
DOL WNR	WDF								-	
Execute	Cancel									
20	40 8									
00-11851103										Prinket 18

6. Press "OK".



- On the XN-Main Unit, ensure the system is at *Ready*.
- From the IPU main menu screen select "QC Analysis".



• Select the file that has just been set up in steps 1 to 6.

Manu	GC File Work Last Rule Evalurer	Browser Setting			00-16 Read s	n 180,22000 (£) 11:16 <sup>*</sup>
	Select OC Fie	Patient List	Rule	Sample Explorer	Data Browser	<b>?</b> Manual
	QC83 Control Level1 QC-034001001 QC01 Control Level2 QC-03231101 QC82 Control Level2 QC-03231102	so Candere Condere	Precision Check	Lit + Calibration	Analyzer Setting	IPU Setting
Ver	OK Can	cel				NVRAM
Ŧ	XN-2000-14. Er Colore Provide Number Using Bar-Code Reader					RU-T RU-2 HOST

- Process QC through the manual mode.
- Accept the results and print out if necessary.



## Processing UK NEQAS Differential samples through XS-1000 analyser

## XS series analysers

In order to obtain correct results, the UK NEQAS Differential samples need to be processed using the QC program on Sysmex haematology instruments. The UK NEQAS FBC sample should be run as a normal sample.

- 1. Select the QC Files icon from the main menu of the XS-IPU.
- 2. Select an empty file and click on the Input button

Nume     Obs     Nume     Obs     Nume     Obs     Obs<					1	CC Out	0 0	9	
	Nicknane	80.	Material	Lot No.	Regist, Dath	Analysis Date	Dop. Day		
	X5-00004	0000	Costrol Levels	QC-53340804	2001/12/22	101 05153131	3004/03/01		
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	X5-90004	0000	Control Level3	QC+53340800	2001/12/22	2004/03/08	2006.02.02		
	XS-00001	0004	Control Levels	QC-53350401	2004/01/11	2004/02/01 07 10	Toronto T		
	X5-20004	0005	Control Level2	QC+53350802	2004/01/11	2006/02/02 05120754	Tubut 1	con	
Mature     Operation     O	35-00001	0004	Control Level3	QC-53350803	2004/01/11	2004/02/02 05:38:40	and a state of the	Concession of the local division of the loca	
10000     001     100       00000     100     100       00000     100     100       00000 </td <td>AS-20004</td> <td>9007</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	AS-20004	9007							
	X3-2000+	QC54							
	X5-90004	QC29							
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	X5-20001	QC10							
1 2000 001 001 001 000 000 000 000 000 0	X3-20004	QC11							
1000     0.1	x3-90001	ØC15							
mode     0.1	A3-20003	QC13							
0000 001 0000 001 0000 003 0000 000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 00000 00000 0000 0000 0000 00000 0000 0000	33-00001	QC14							
	N3-99001	QC15							
97-000 001 0000 002 0000 000 0000 000 0000	AS-0.003	QC16							
9 000 001 001 000 000 000 000 000 000 00	15-0001	QC17							
	25-22001	0.14							
and the second s	12-10001	0.17							
	15-10011	V-hard	CBC			2004/01/04 14:18:21			
	12-2224		1.017			3006-03-04 34-38-33			

- 3. Select *Control Level 1* from the drop down box
- 4. Type the UK NEQAS lot number in the field Lot no QC- Press "OK".

Sickname VC-10001	No.	Material Lot No.	Regist. Dute	Analysis Date	Exp. D	4				
X5-10001	QC02 Co+5	rol Level2 QC-53340802	2001/12/22	2004/02/02 04:55	24 2004/02	/01				
XS-10001	Contraction Cont	al cash or many	2006 0 3 000	2004 03 03 04 41 4	1 MAG 200	an 11		_		
X5-60001	reparties woman	A								
15-10001	Lot informa	tion							00	
145-10001	Nick	same p/3 = 10001		File No. QCU/			ead Plie		A	
X3-10001	Mate	rial Control Levell	- Lot	t No. OC-	_	Exp. Day	2006/05	/01	Cancel	
X3-10001		Control Levell								e 1
×5-10001	-Target/Lini	Control Level2								1
33-10001	Iten L	ower other1		mer Linit	Unit	Marri	1 Cetting			
X5-10001	FEC	Other2		0.01	1046/uL	Manu	in secting			
X3-10001	HCB	0.0			e/dL	Iten		RBC		
X5-10001	HCT	0.0		and the second second	7					
XS+10001	MCV.	0.0		0.2	Cor	ntrol Le	/el 1	1 A		
XS-10001	MCH	0.0		0.1				- 13	00 *	
×3-10001	MCHC	0.0		0.1	g/dL			and the second second		
x3-50001	PLT	0			10^3/uL					
15-10001	RDM-SD	0.0		0.1	fL.					
X1-10001	ROM-CV	0.0		0.1	\$	Var	able Targe	rt		
	POW	0.0		0.1	ri,					
	PCI	0.00		0.01	0			- 1		
	Rev CR	0.0		0.1	v.					
	WICK	0.00		0.01	1043/04					
	WEC-0	0.00		0.01	10.43/uL		ead Assay	1		
	NEUTE	0.0		0.1	\$			-		
	LYMPHOL	0.0		0.1	ξ					
	MONOR	0.0		0.1	ί.					
	E-0%	0.0		0.1	ξ					
	EASCIE	0.0		0.1	ξ					

- 5. Ensure the system is at *Ready*.
- 6. From the main menu screen select "Manual" and click on the "QC" button that appears on the manual ID entry screen



7. Select the file that has just been set up in steps 1 to 4 from the displayed list.



- 8. Process QC
- 9. Accept the results and print out if necessary