

SKML rondzending FMT 2023

Jacqueline leuvenink, coördinator

SKMKL FMT rondzending 2023.1 en 2.

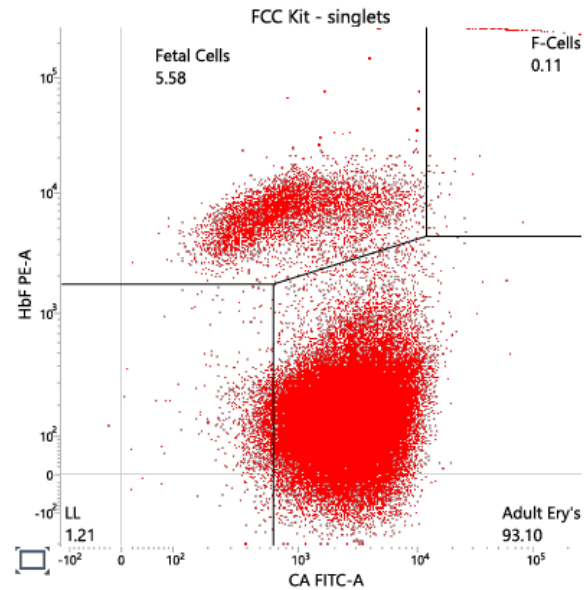
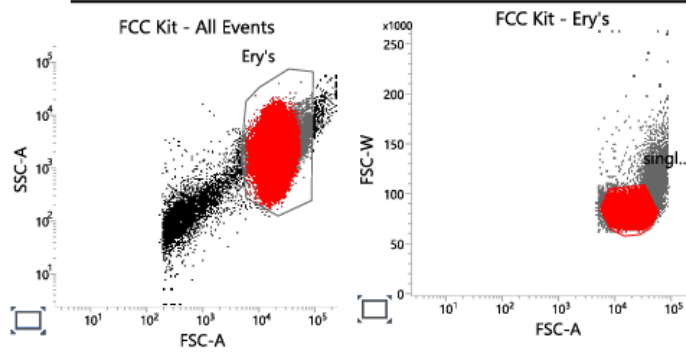
- Aantal laboratoria die meedoen met deze rondzending: 31
- Monster bereidings centrum Jeroen Bosch ziekenhuis LKCH
- Pooled monster van navelstreng en volwassen materiaal (IC)
- Na bereiding controles FCC en Quik Quant methodes uitvoeren.

2023.1A FCC-kit

Sample ID: SKML 2023 1A

Acquisitie datum:

Acquisitie datum: 3/15/2023



Show Statistical Gates/Populations

Gate Hierarchy

- All Events

Population View

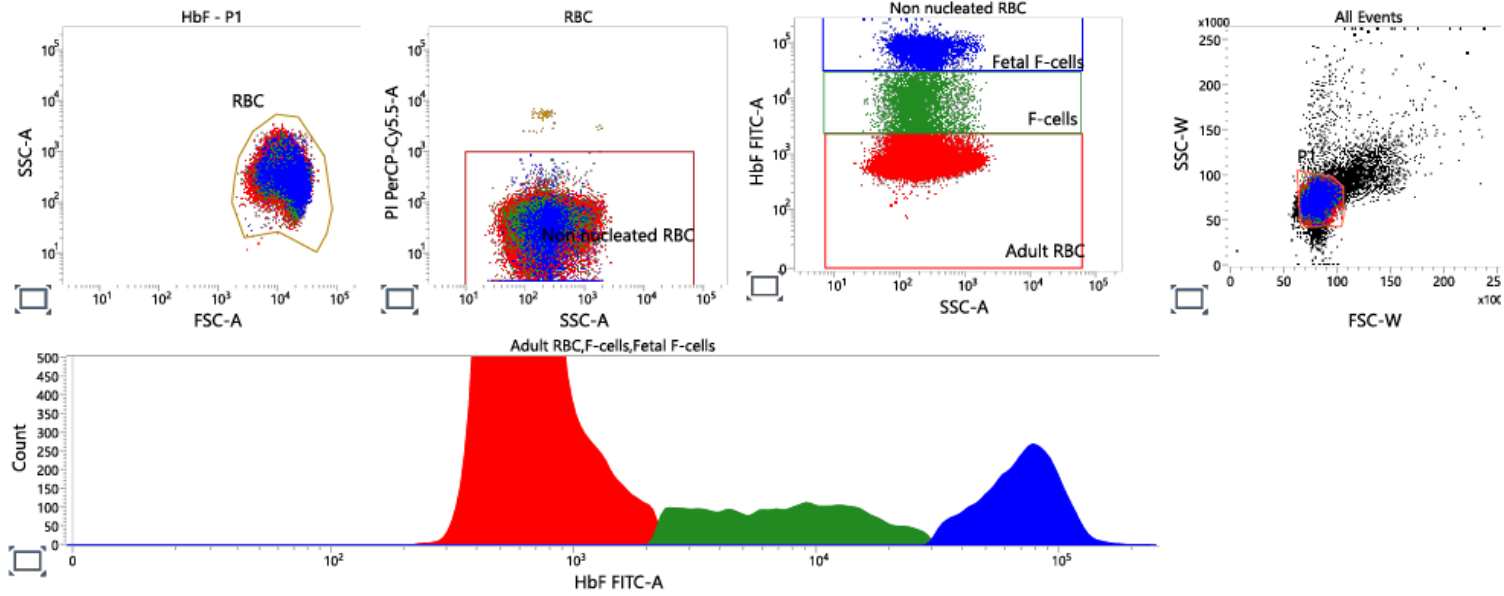
Show Population Statistics

Name	Events	% Parent	% Grandparent	% Total
FCC Kit				
<input checked="" type="checkbox"/> All Events	122,006	***	***	100.00
<input checked="" type="checkbox"/> Ery's	117,088	95.97	***	95.97
<input checked="" type="checkbox"/> singlets	110,783	94.62	90.80	90.80
<input type="checkbox"/> FCC Gate				
<input type="checkbox"/> Fetal Cells	6,182	5.58	5.28	5.07
<input type="checkbox"/> F-Cells	127	0.11	0.11	0.10
<input type="checkbox"/> LL	1,338	1.21	1.14	1.10
<input type="checkbox"/> Adult Ery's	103,136	93.10	88.08	84.53

Quik Quant kit

Sample ID: SKML 2023 1A

Acquisitiedatum: 3/15/2023



Show Statistical Gates/Populations

Gate Hierarchy

Population View

Show Population Statistics

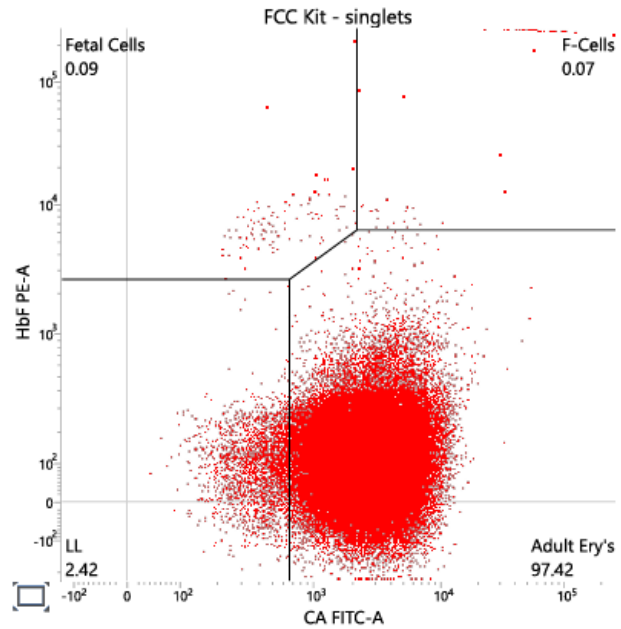
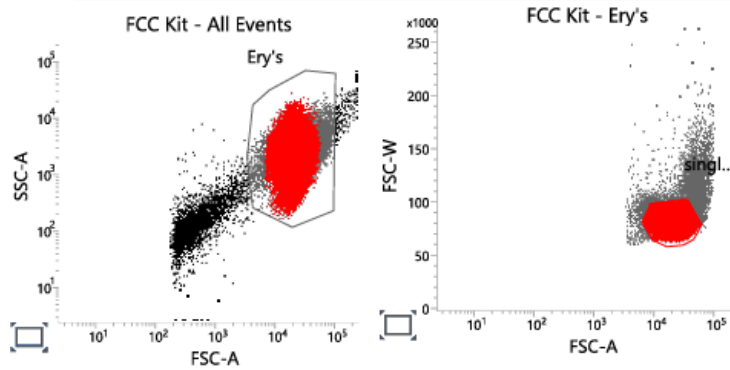
Name	Events	% Parent	% Grandparent	% Total
HbF				
All Events	100,000	***	***	100.00
P1	96,351	96.35	***	96.35
RBC	96,346	99.99	96.35	96.35
Non nucleated RBC	96,241	99.89	99.89	96.24
Adult RBC	84,783	88.09	88.00	84.78
F-cells	5,724	5.95	5.94	5.72
Fetal F-cells	5,677	5.90	5.89	5.68

2023.1B FCC-kit

Sample ID: SKML 2023 1B

Acquisitie datum:

Acquisitie datum: 3/15/2023



Show Statistical Gates/Populations

Gate Hierarchy

- All Events

Population View

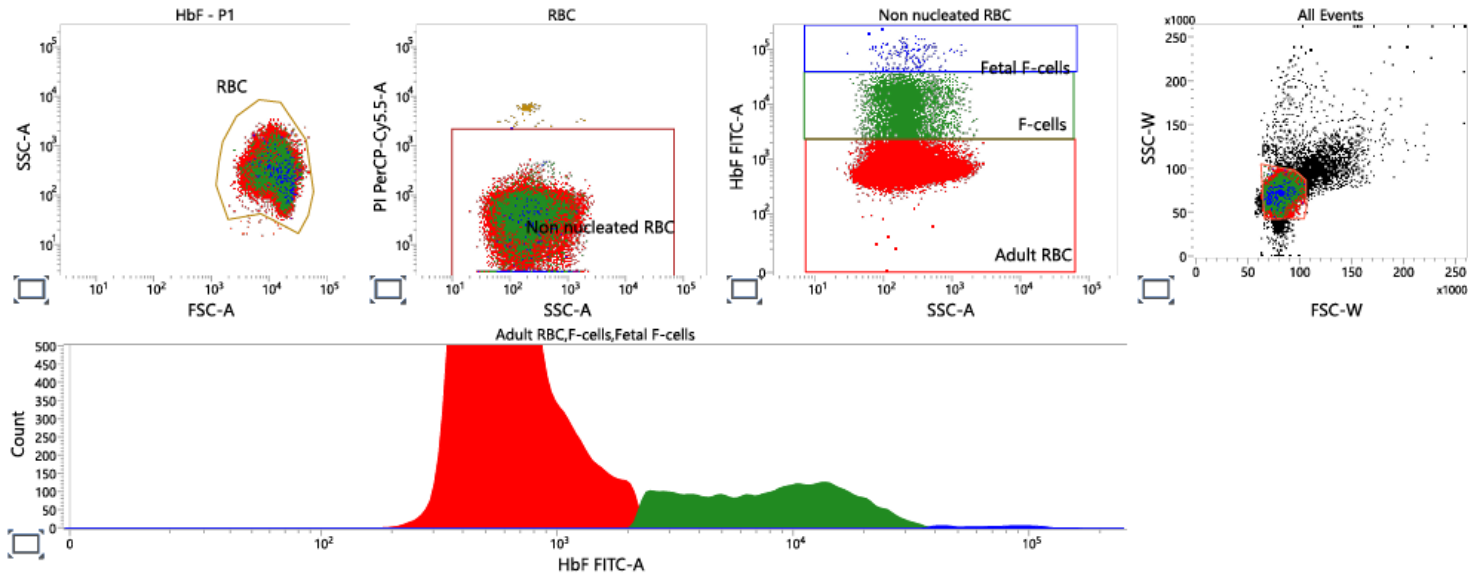
Show Population Statistics

Name	Events	% Parent	% Grandparent	% Total
FCC Kit				
All Events	121,867	***	***	100.00
Ery's	117,993	96.82	***	96.82
singlets	110,992	94.07	91.08	91.08
FCC Gate				
Fetal Cells	104	0.09	0.09	0.09
F-Cells	73	0.07	0.06	0.06
LL	2,682	2.42	2.27	2.20
Adult Ery's	108,133	97.42	91.64	88.73

2023.1B Quik Quant-kit

Sample ID: SKML 2023 1B

Acquisitiedatum: 3/15/2023



Show Statistical Gates/Populations

Gate Hierarchy

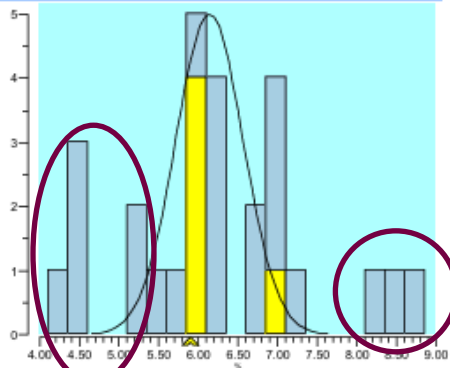
Population View

Show Population Statistics

Name	Events	% Parent	% Grandparent	% Total
HbF				
All Events	100,000	***	***	100.00
P1	96,477	96.48	***	96.48
RBC	96,455	99.98	96.46	96.46
Non nucleated RBC	96,343	99.88	99.86	96.34
Adult RBC	89,913	93.33	93.22	89.91
F-cells	6,247	6.48	6.48	6.25
Fetal F-cells	182	0.19	0.19	0.18

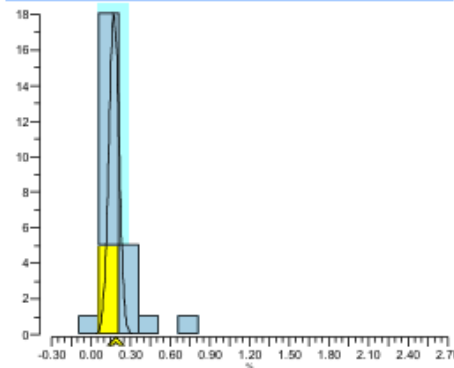
Rapportage 2023.1A en 1B

2023.1 A



	cons.	meth.	ALTM	lab
gem.	6.1	6.1	6.2	5.9
SD	0.4	0.4	1.1	
n	5	5	27	
nu	0	0	0	
rec.	96%	96%	96%	

2023.1 B



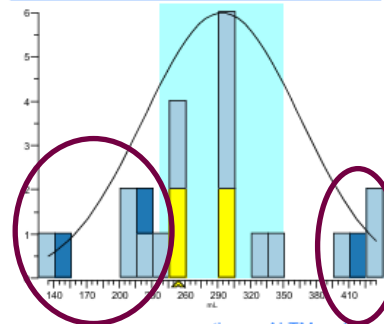
	cons.	meth.	ALTM	lab
gem.	0.174	0.174	0.160	0.190
SD	0.038	0.038	0.059	
n	5	5	26	
nu	0	0	2	
rec.	109%	109%	119%	

Legenda

-  Quik Quant kit
-  fetal cell count kit

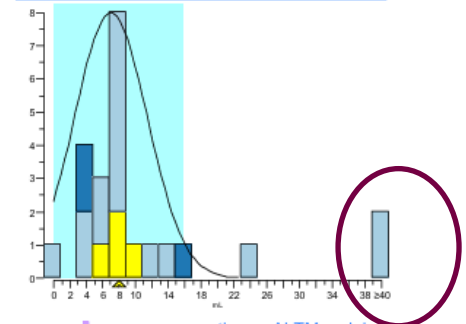
0 40 80 120 160 200 240 280 320 360 400
nL

2023.1 A



	cons.	meth.	ALTM	lab
gem.	280	280	299	259
SD			71	
n	4	4	23	
nu	0	0	1	
rec.	93%	93%	87%	

2023.1 B



	cons.	meth.	ALTM	lab
gem.	7.8	7.8	7.0	8
SD			4.4	
n	4	4	23	
nu	0	0	3	
rec.	103%	103%	114%	

Legenda

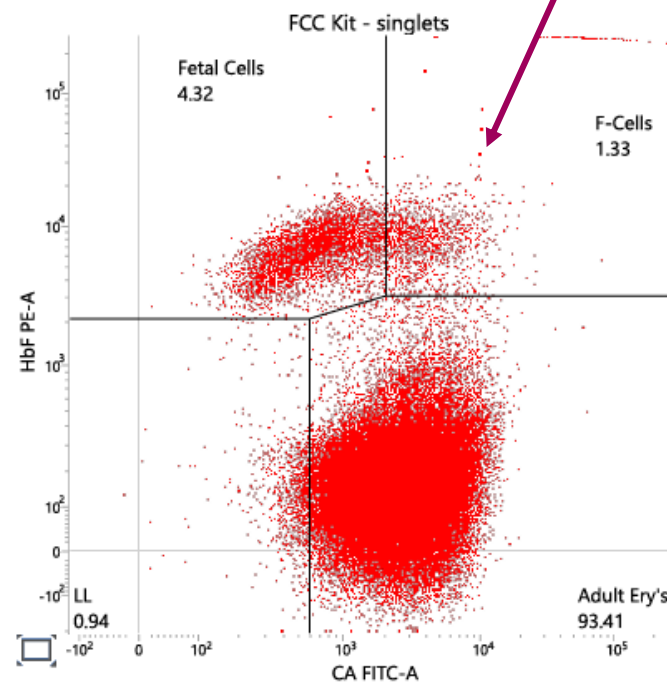
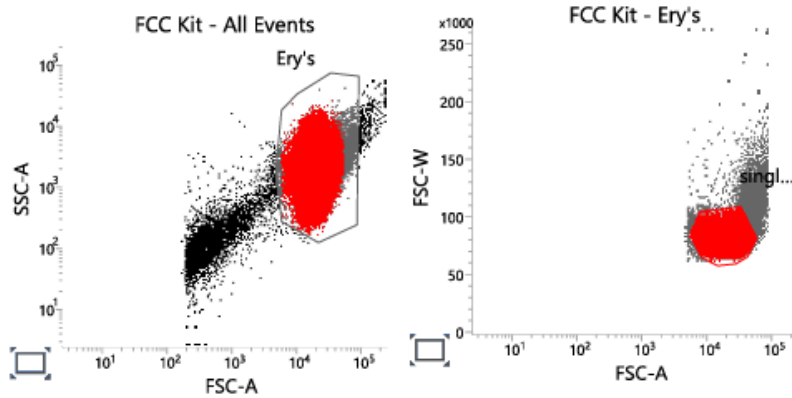
-  Quik Quant kit
-  fetal cell count kit
-  Kleihauer Kit

Gating bij 2023.1A FCC-kit

Sample ID: SKML 2023 1A

Acquisitie datum:

Acquisitie datum: 3/15/2023



Show Statistical Gates/Populations

Gate Hierarchy

All Events

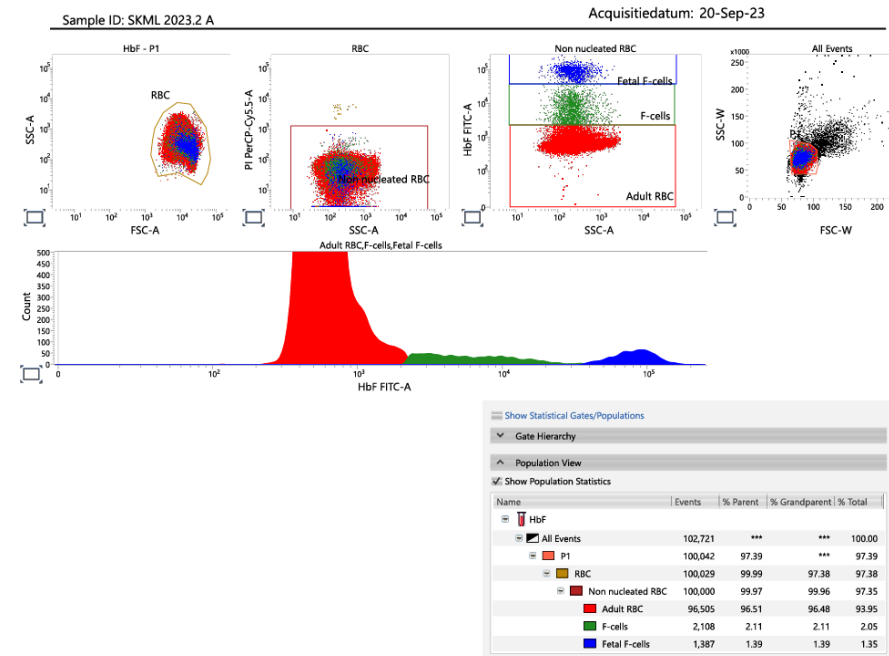
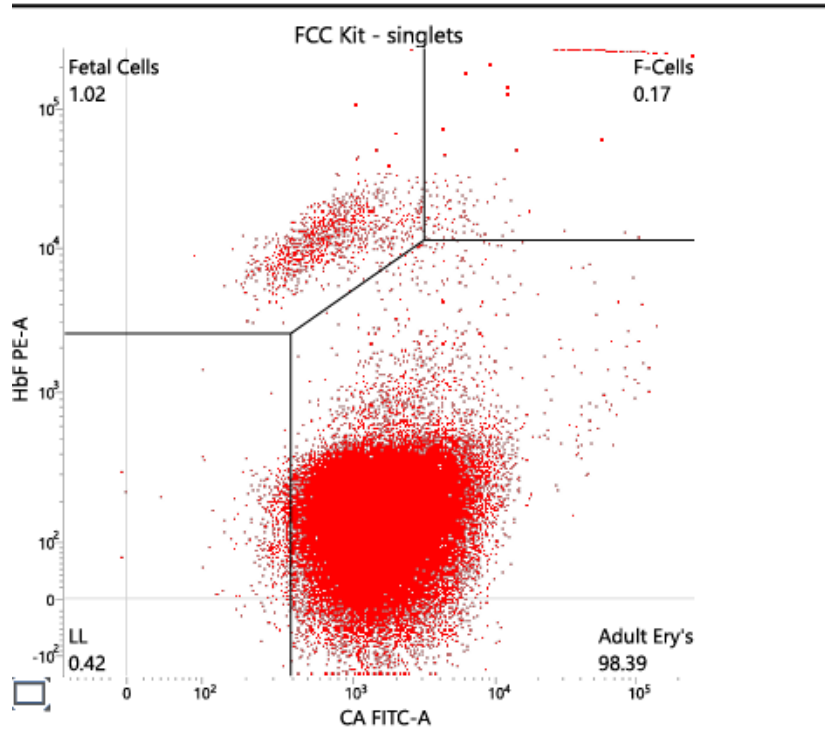
Population View

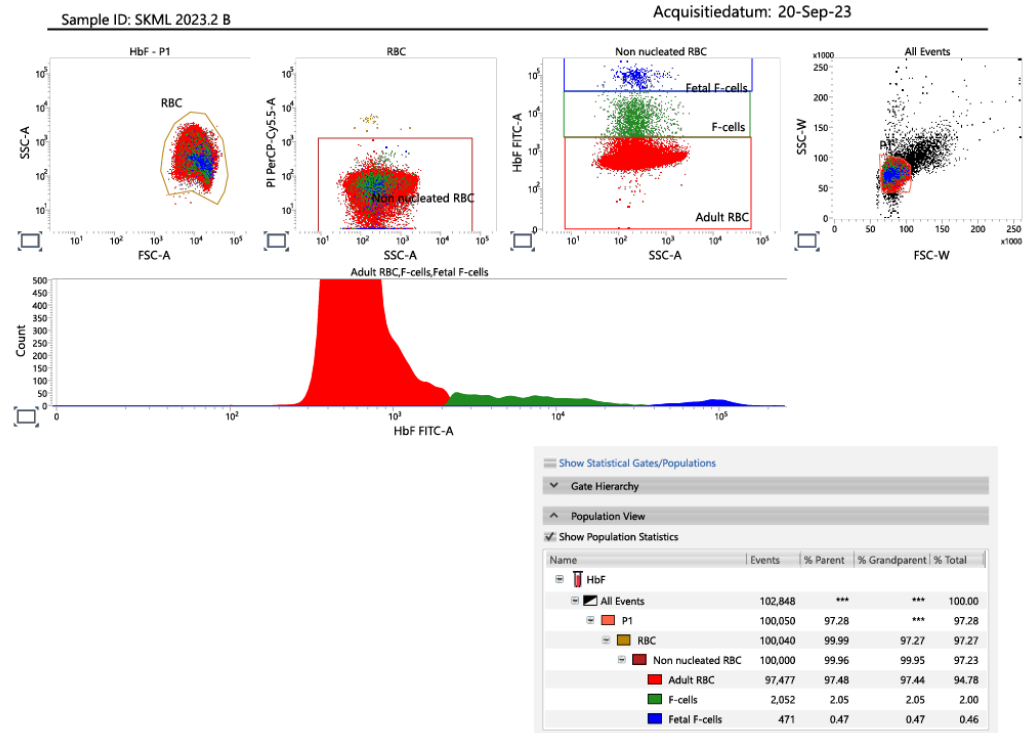
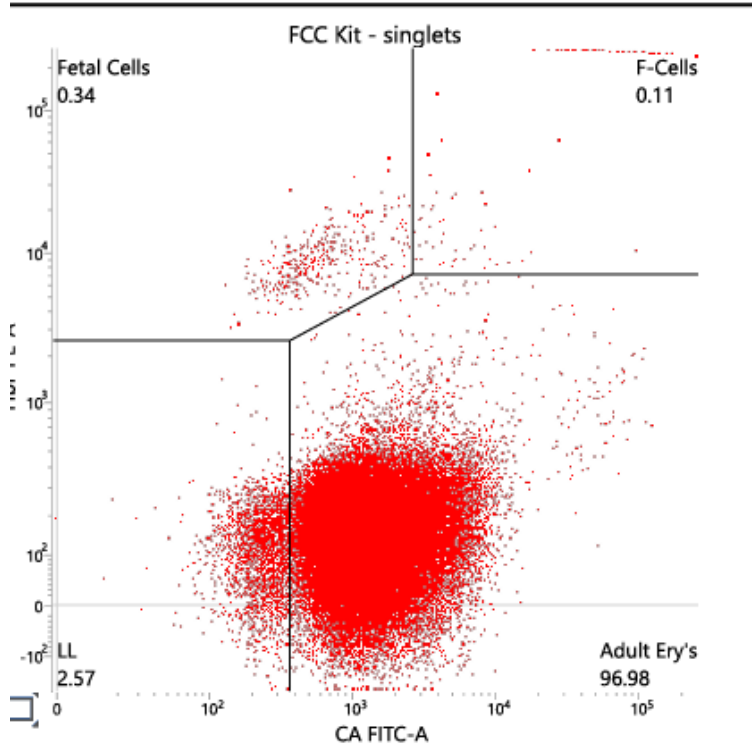
Show Population Statistics

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<input checked="" type="checkbox"/> Ery's	117,088	95.97	***	95.97
<input checked="" type="checkbox"/> singlets	110,783	94.62	90.80	90.80
<input type="checkbox"/> FCC Gate				
<input type="checkbox"/> Fetal Cells	4,791	4.32	4.09	3.93
<input type="checkbox"/> F-Cells	1,474	1.33	1.26	1.21
<input type="checkbox"/> LL	1,039	0.94	0.89	0.85
<input type="checkbox"/> Adult Ery's	103,479	93.41	88.38	84.81

Rondzending 2023.2A

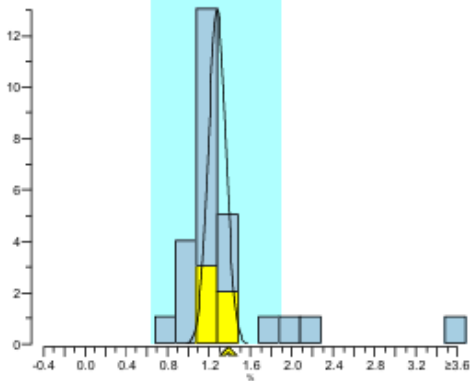
Acquisitie datum: Acquisitie datum: 20-Sep-23





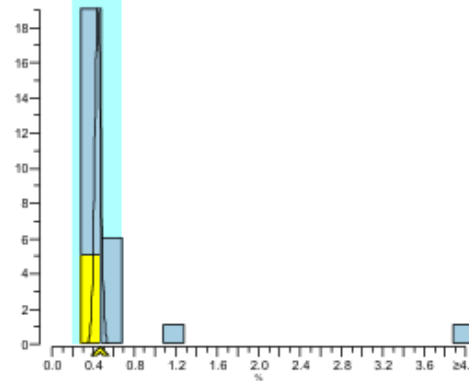
Rapportage 2023.2A een 2B

2023.2 A



	cons.	meth.	ALTM	lab
gem.	1.28	1.28	1.20	1.39
SD	0.08	0.08	0.18	
n	5	5	27	
nu	0	0	3	
rec.	109%	109%	116%	

2023.2 B

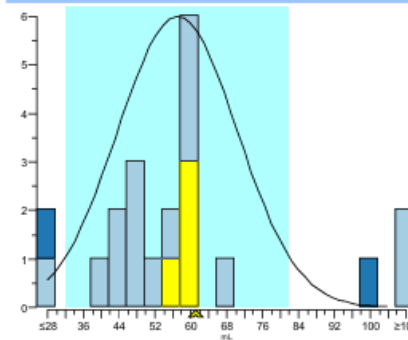


	cons.	meth.	ALTM	lab
gem.	0.45	0.45	0.44	0.47
SD	0.03	0.03	0.10	
n	5	5	27	
nu	0	0	2	
rec.	105%	105%	107%	

Legenda

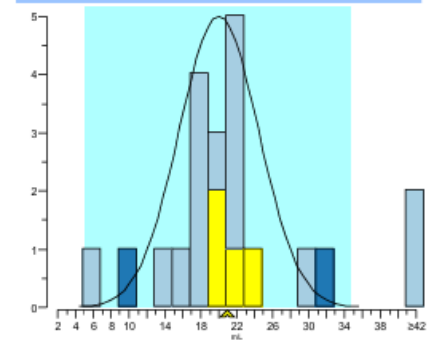
- Quik Quant kit
- fetal cell count kit

2023.2 A



	cons.	meth.	ALTM	lab
gem.	59	59	57	61
SD			13	
n	4	4	21	
nu	0	0	4	
rec.	103%	103%	107%	

2023.2 B



	cons.	meth.	ALTM	lab
gem.	21	21	20.0	21
SD			4.4	
n	4	4	21	
nu	0	0	3	
rec.	101%	101%	105%	

Legenda

- Quik Quant kit
- fetal cell count kit
- Kleihauer Kit

- Over het algemeen wordt er goed gescoord met name de lage waarden van de Foetale cellen.
- Bij hogere waarden is er meer spreiding. Mogelijk door problemen/verschillen met de gating van de Foetale cellen.


Casus JBZ:

- Mevr 27 jaar: 39 weken zwanger
- Consult verloskamer: Moeder voelde minder leven
- CTG afwijkend
- Spoed sectio: Baby bleek met slechte start
- Labaanvraag: moeder en kind

Dienstoverdracht casus: baby J.

Uitslagen baby na spoed sectio

	18:00 Herman	18:09 Herman	Ref. waarde	Eenheid
Patologie				
Hemoglobine		2.9	9.0 - 14.0	mmol/L
Hematocriet		0.16	0.40 - 0.65	L/L
MCV		121	95 - 120	fL
MCH		2.15	1.90 - 2.30	fmol
Erytrocyten		1.35	4.00 - 6.50	$\times 10^{12}/L$
Reticulocyten		282	80 - 400	$\times 10^9/L$
Trombocyten		242	100 - 450	$\times 10^9/L$
Leucocyten		34.7	6.0 - 25.0	$\times 10^9/L$

	18:09 Herman	Ref. waarde	Eenheid
Patologie			
Bloedgroep	A		
Rhesus	POS		
Directe Coombs	Negatief		
Antigeen	Cc ee K-		
Transfusiegegev.	Zie opm. 		
Leucocyten	34.7	6.0 - 25.0	$\times 10^9/L$
Blasten	2	0	%
Myelocyten	1	0	%
Metamyelocyten	4	0	%
Staven	5	0 - 5	%
Segment	44	30 - 80	%
Lymfocyten	38	15 - 60	%
Monocyten	5	1 - 13	%
Eosinofielen	0	1 - 10	%
Basofielen	1	0 - 2	%
Erytoblasten	100	0	/100 leuko
Haptoglobine	<0.10	0.40 - 2.40	g/L
Biochemie			
Bilirubine totaal	21	0 - 16	$\mu\text{mol}/L$
Bilirubine direct	9	0 - 4	$\mu\text{mol}/l$
LD	2968	0 - 500	U/L

Patient / sample data

Sample: 0672285402
 IH-500 0501630:
 Phenotype: C,c,E,e,K,ctl (DiaClon) (5011)

Test time:
 6/6/2024 4:57 PM

Processed by:
 Verified by:
 Validated by:

diamed
 diamed

Anti-c

50110.84.07/24.12/444806

Reaction comment:



Current results

1 2 3 4 5 6						1 2 3 4 5 6					
Anti-C	Anti-c	Anti-E	Anti-e	Anti-K	Ctl	Anti-A	Anti-B	Anti-D VI	Ctl	A1	B
+++	-	-	++++	-	-	+++	-	+++	-	-	+++

1 2 3		
I	II	III
-	-	-

Result

A Rh D positive CCD.ee Kell negative ABS negative

Recalculate Interpretation

ABO: ABS: Known antibodies (text):

Phenotype: DAT:

Rhesus-D: Auto ctrl.:

Kell:

Antibodies / other antigens:

Request additional validation

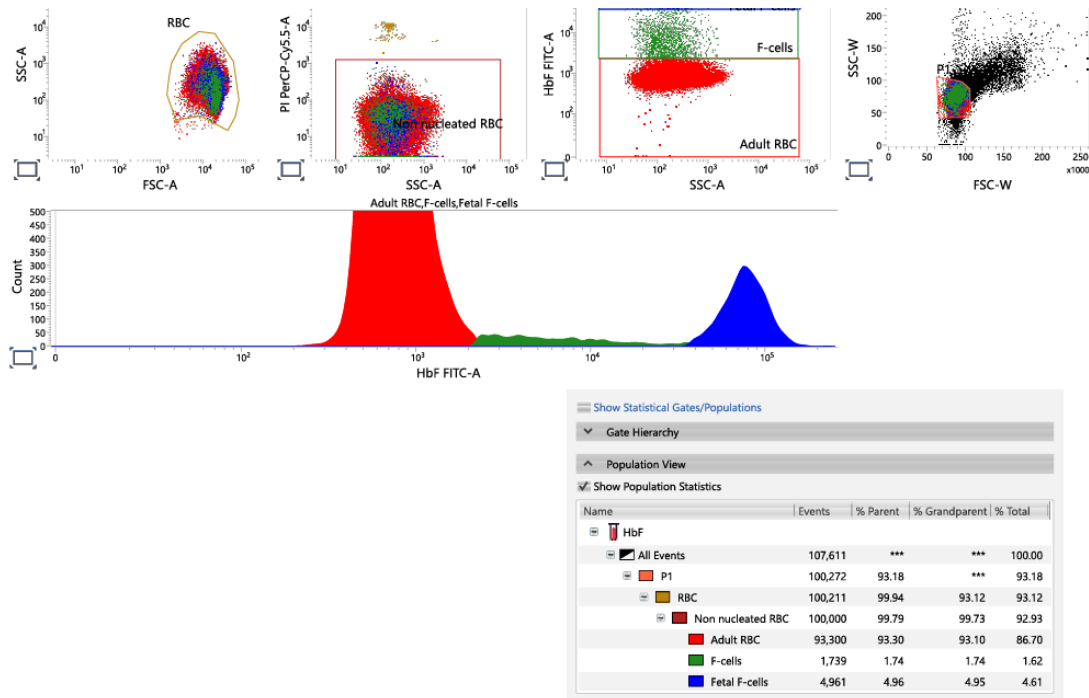
Details ...

Accept all

Save

Cancel

Moeder: FMT ingezet voor en na bevalling



Formule om ml transfusie van kid naar moeder te berekenen:

$$(RES\{FHBF\} / 10) * 18 * 1.22 * 2:$$

Diversen

Fetal HbF

↑ 49.6

0/00

0.0 - 4.6

Foetal Mat. Transf.

↑ 217.8

ml

- Bij baby direct O-negatief getransfundeerd
- Overplaatsing naar MMC ICU ivm zuurstof toediening
- Na 2 dagen Hb 8,3 mmol/l
- Terug naar JBZ en na 2 dagen naar huis met Hb van 8.5!

- Placenta onderzoek Pathologie liet bloeding (foetaal) zien.

- Conclusie: forse Foeto maternale transfusie