Survey Contents:

Specimen **2305LN1** Umbilical cord blood spiked with Hb SS blood

Specimen **2305LN2** Umbilical cord blood spiked with Hb SS blood

Non Participation Penalty: 0

Specimen Quality

	2305LN1	2305LN2
Satisfactory	40	40
Unsatisfactory	0	0
You reported:	Satisfactory	Satisfactory

Return Rate

Specimens were distributed to 41 participants.
40 participants returned results.
This represents a 97% return rate.

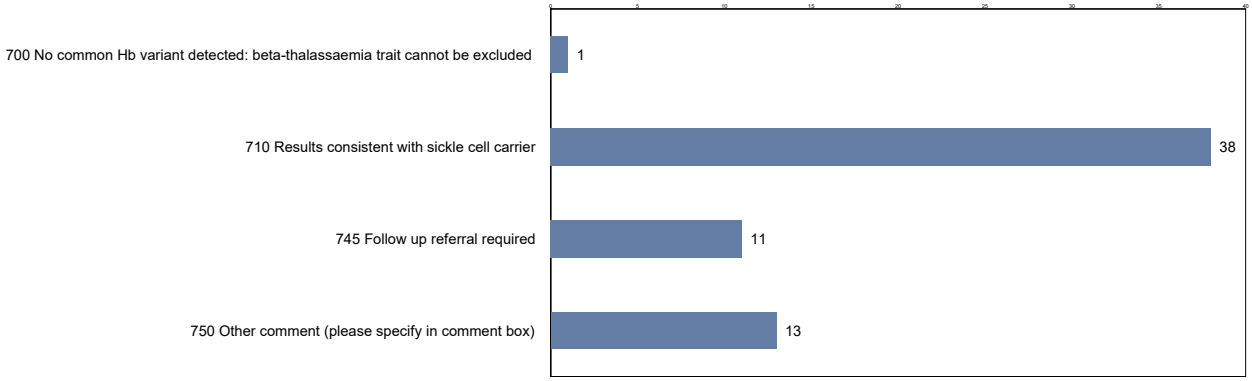
For information on data analysis and performance assessment see the UK NEQAS Haematology Participants' Manual (www.ukneqash.org)
Scheme Director: Barbara De la Salle
UK NEQAS (H), PO Box 14, WATFORD WD18 0FJ, UK
email: haem@ukneqas.org.uk Phone: +44 (0) 1923 587 111
Authorised by: Yvonne Hector (Service Manager)

Sex	Female	RBC	(10^{12}/L)	5.14
Ethnic Origin	African	Hb	(g/L)	165
Age	24 hours	MCV	(fL)	107.2
	Father has sickle cell disease	MCH	(pg)	32.1

Fraction Identification

Fraction	Expected	Essential	Your Results	Reported by all participants
Hb F	Expected	Essential	Present	39
Hb A	Expected	Essential	Present	39
Hb S	Expected	Essential	Present	39
Hb C			Absent	0
Hb D			Absent	0
Hb E			Absent	0
Hb C or E			Absent	0
Hb Non Specified			Absent	0

Analysis of Interpretation Codes



Data Analysis

Top five reported comments (see graph for all reported comments)

Code	Comment	Rank	Number
710	Results consistent with sickle cell carrier	1	38
750	Other comment (please specify in comm	2	13
745	Follow up referral required	3	11
700	No common Hb variant detected: beta-th	4	1

Reported Comments

Your reported comments with the number of participants that reported the same comment

Code	Comment	Rank	Number
710	Results consistent with sickle cell carrier	1	38

Comments:

2305LN1 simulated a specimen from a newborn, African, female infant. The baby's father has sickle cell disease. Haemoglobinopathy analysis indicated the presence of Hb F, Hb A and Hb S.
Specimens were distributed to 41 participants and 40 (97%) returned results.
39/40 (98%) reported the expected fractions (Hb F, Hb A and Hb S). The remaining 1 reported a blank result.
38/39 participants (100%) reported the correct interpretation code 710 (results consistent with sickle cell carrier). One participant reported code 700 (No common Hb variant detected) which is incorrect. Some also suggested follow up referral and/or provided a free text comment.

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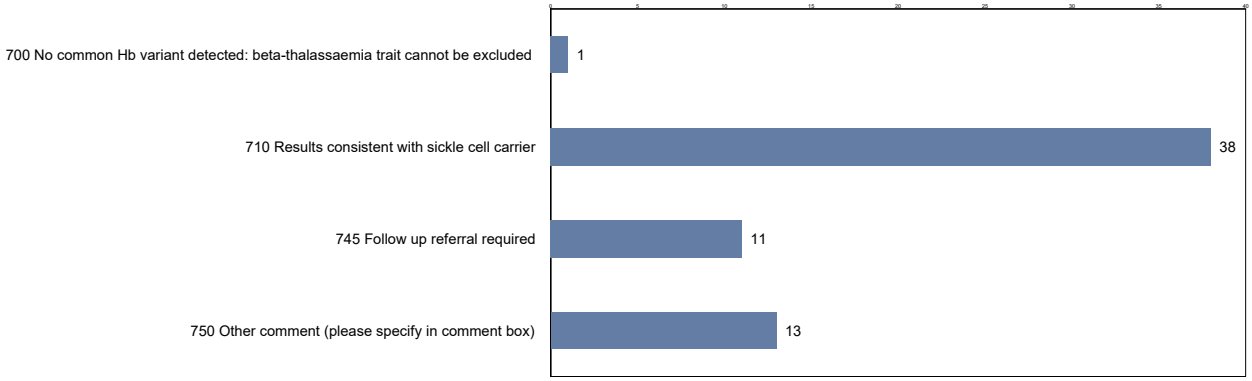
Sex	Male	RBC	(10^{12}/L)	4.99
Ethnic Origin	African	Hb	(g/L)	159
Age	24 hours	MCV	(fL)	112.4
	Mother is a sickle cell carrier	MCH	(pg)	31.9

Fraction Identification

Fraction	Expected	Essential	Your Results	Reported by all participants
Hb F	Expected	Essential	Present	39
Hb A	Expected	Essential	Present	39
Hb S	Expected	Essential	Present	39
Hb C			Absent	0
Hb D			Absent	0
Hb E			Absent	0
Hb C or E			Absent	0
Hb Non Specified			Absent	0

Analysis of Interpretation Codes



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745	Follow up referral required	3	11
700	No common Hb variant detected: beta-th	4	1

Reported Comments

Your reported comments with the number of participants that reported the same comment

Code	Comment	Rank	Number
710	Results consistent with sickle cell carrier	1	38

Comments:

2305LN2 simulated a specimen from a newborn, African, male infant. The baby's mother is a sickle carrier.
Haemoglobinopathy analysis indicated the presence of Hb F, Hb A and Hb S.
Specimens were distributed to 41 participants and 40 (97%) returned results.
39/40 (98%) reported the expected fractions (Hb F, Hb A and Hb S). The remaining 1 reported a blank result.
38/39 participants (100%) reported the correct interpretation code 710 (results consistent with sickle cell carrier). One participant reported code 700 (No common Hb variant detected) which is incorrect. Some also suggested follow up referral and/or provided a free text comment.

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