

CD34+ Stem Cell Enumeration Programme
All Participant Report

Distribution - 252604

Sample - 336

Participant ID -

Date Issued - 20 January 2026

Closing Date - 09 February 2026

Machine Used -

Trial Comments

This exercise was issued to 380 participants with 357 (93.9%) returning results at the time of report generation. Of the non-returns, five participants requested for an extension to the exercise deadline and three were pre-notified non-returns.

Sample Comments

The sample was manufactured by UK NEQAS LI using stabilised CD34+ samples and stabilised leucodepleted blood.

Absolute Values Results and Performance

Please note: Performance monitoring for this programme is on absolute values only. Percentage results are shown for information purposes only.

Cell Population	Your Results (cells/ μ L)	Robust Mean (cells/ μ L)	Robust SD (cells/ μ L)	Uncertainty of the Assigned Value (Robust Mean)
CD34 Absolute Values		36.52	3.21	\pm 0.23

Cell Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
CD34 Absolute Values	-0.79	Satisfactory	12	0	0

Percentage Values Results and Performance

Cell Population	Your Results %	Robust Mean %	Robust SD %	Uncertainty of the Assigned Value (Robust Mean)
CD34 Percentage Values		3.15	0.31	\pm 0.02

Cell Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
CD34 Percentage Values	-0.64	Satisfactory	12	0	0

***z Score Limits Definitions**

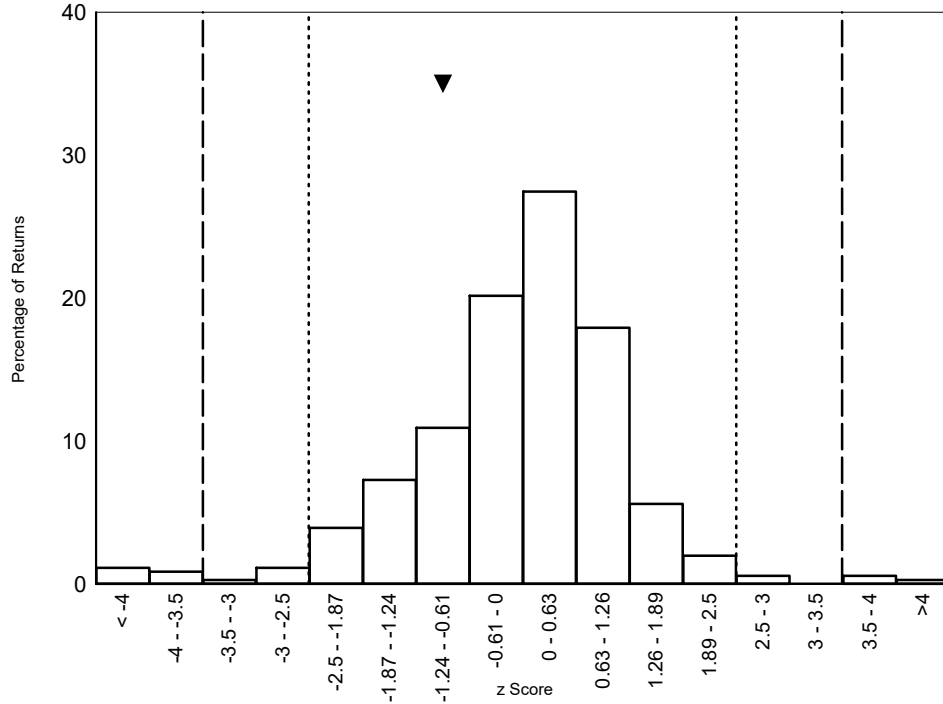
Please note the scale below is applicable to the tables above and to the z score histograms and Shewhart control charts that follow. It is not applicable to the Cusum control charts.



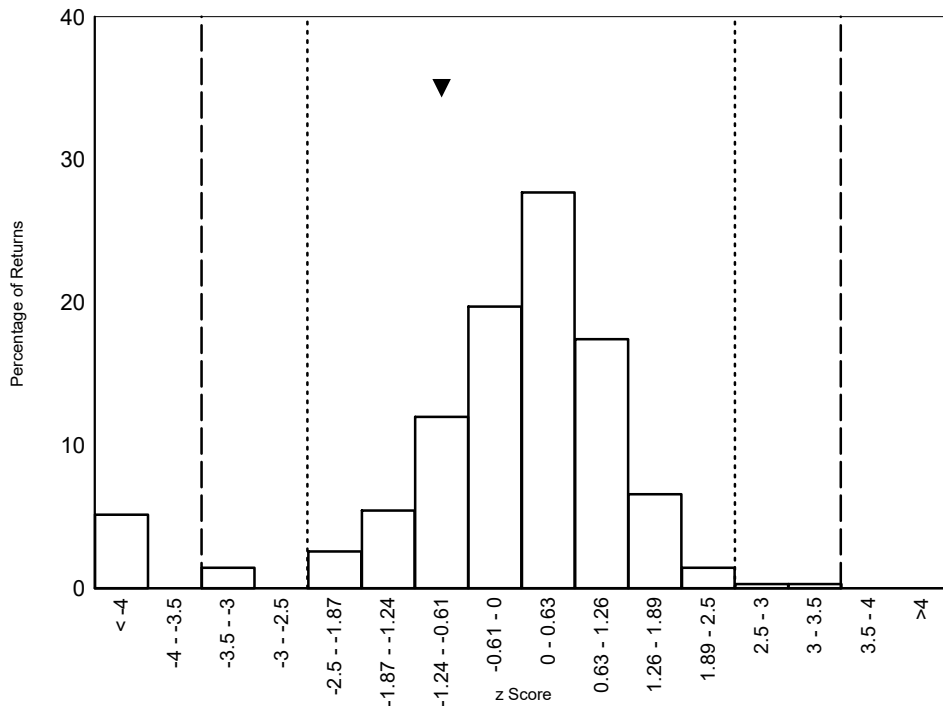
CD34+ Stem Cell Enumeration Programme

Histograms of Participant z Scores

Absolute Values (cells/ μ L)
Please note ▼ denotes your result



Percentage Values (%)
Please note ▼ denotes your result

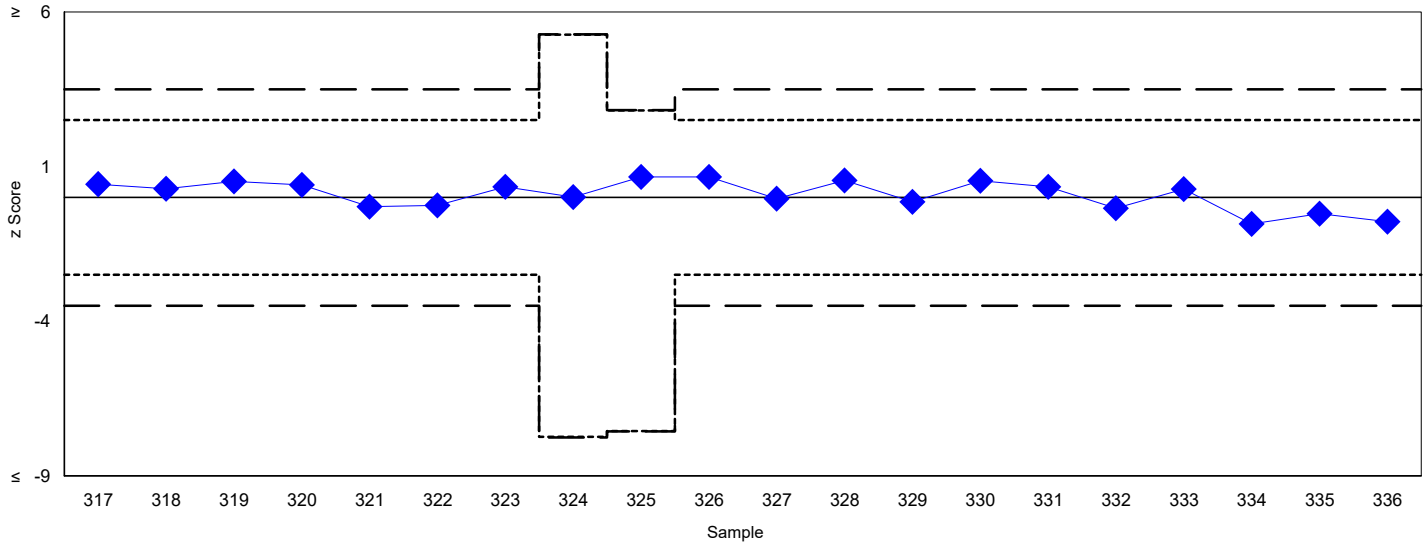


CD34+ Stem Cell Enumeration Programme

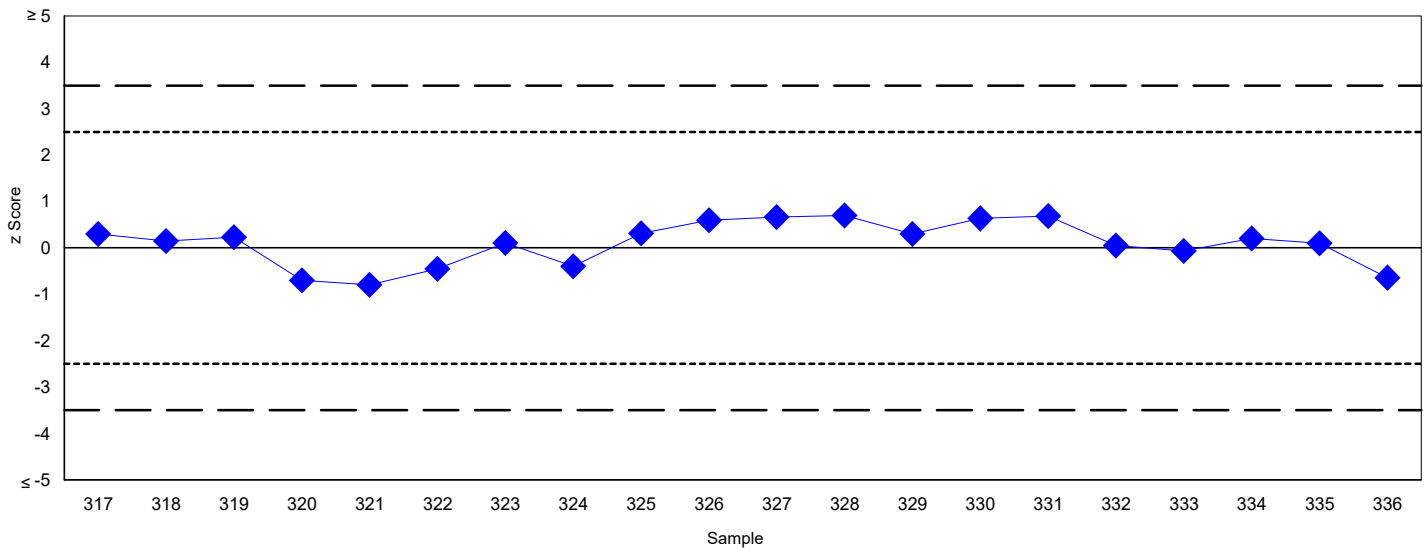
Shewhart Control Charts 

(Please note each data point represents a single sample)

Absolute Values (cells/ μ L)



Percentage Values (%)

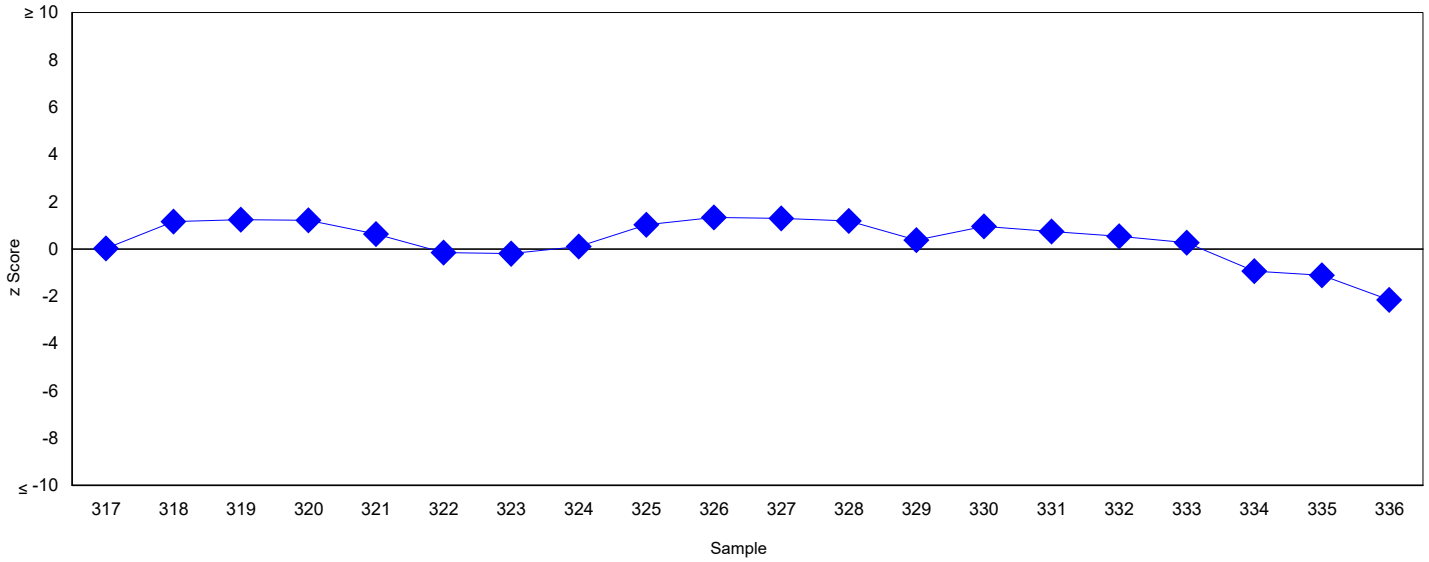


CD34+ Stem Cell Enumeration Programme

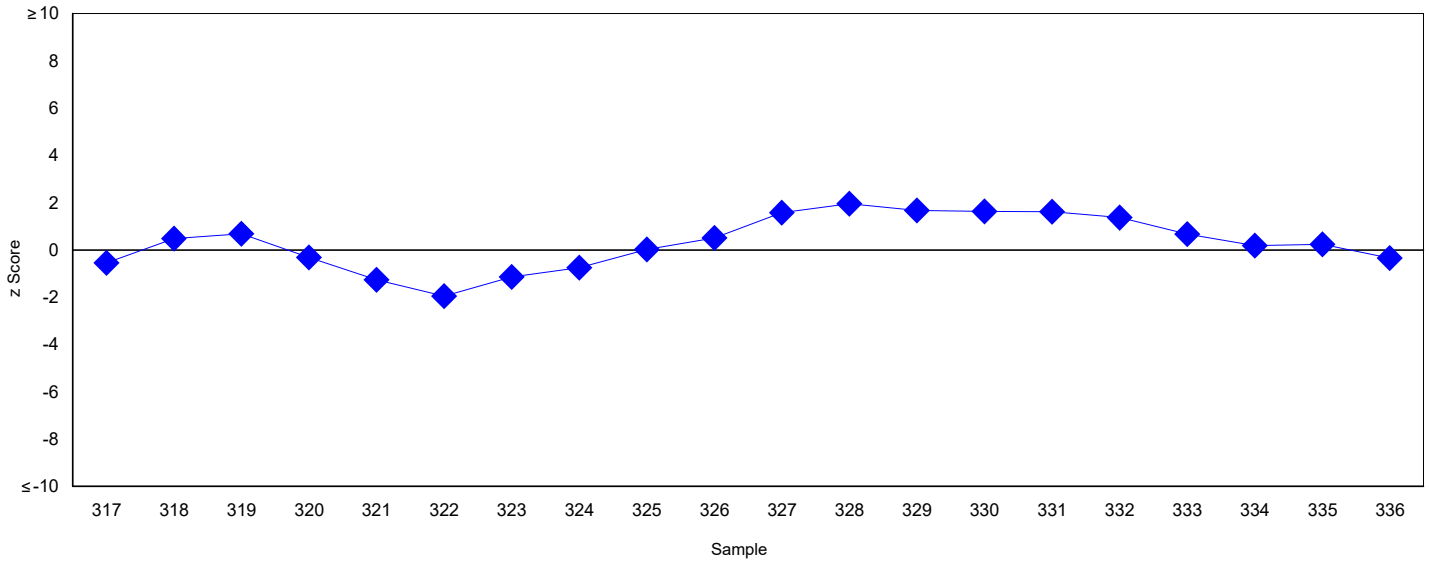
Cusum Control Charts

(Please note each data point represents the sum of the z scores of the current sample and the two previous samples)

Absolute Values (cells/ μ L)



Percentage Values (%)



CD34+ Stem Cell Enumeration Programme

Platform Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
FLOW COUNT	95	35.57	3.23	93	3.17	0.38
HAEMATOLOGY ANALYSER WBC	31	35.94	4.42	29	3.08	0.41
TRUCOUNT	183	37.37	2.85	182	3.15	0.29

Lysing Method Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
Ammonium Chloride (NH ₄ CL)	167	36.83	2.98	163	3.18	0.26
Facslyse	27	36.61	4.70	26	3.14	0.33
Pharmlyse	45	37.04	3.21	44	3.07	0.33
Stem Kit Lyse	89	35.55	3.64	88	3.11	0.39

Antibody Fluorochrome Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
PE	348	36.53	3.26	341	3.15	0.31

Flow Cytometer Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
DxFLEX	47	36.33	2.79	46	3.14	0.40
FACSCanto II	53	37.02	2.89	53	3.21	0.26
FACSLyric	147	37.38	2.75	145	3.16	0.26
Navios	59	35.84	3.66	56	3.21	0.31

Gating Strategy Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
BD STEM CELL ENUMERATION KIT	108	37.61	2.69	107	3.15	0.24
ISHAGE	185	36.17	3.29	179	3.14	0.36
STEM KIT	60	35.45	3.70	60	3.13	0.38

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Sample Comments

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Absolute Values Results and Performance

Please note: Performance monitoring for this programme is on absolute values only. Percentage results are shown for information purposes only.

Cell Population	Your Results (cells/ μ L)	Robust Mean (cells/ μ L)	Robust SD (cells/ μ L)	Uncertainty of the Assigned Value (Robust Mean)
CD34 Absolute Values		7.72	1.13	± 0.08

Cell Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
CD34 Absolute Values	-0.64	Satisfactory	12	0	0

Percentage Values Results and Performance

Cell Population	Your Results %	Robust Mean %	Robust SD %	Uncertainty of the Assigned Value (Robust Mean)
CD34 Percentage Values		0.25	0.04	± 0.00

Cell Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
CD34 Percentage Values	-0.23	Satisfactory	12	0	0

*z Score Limits Definitions

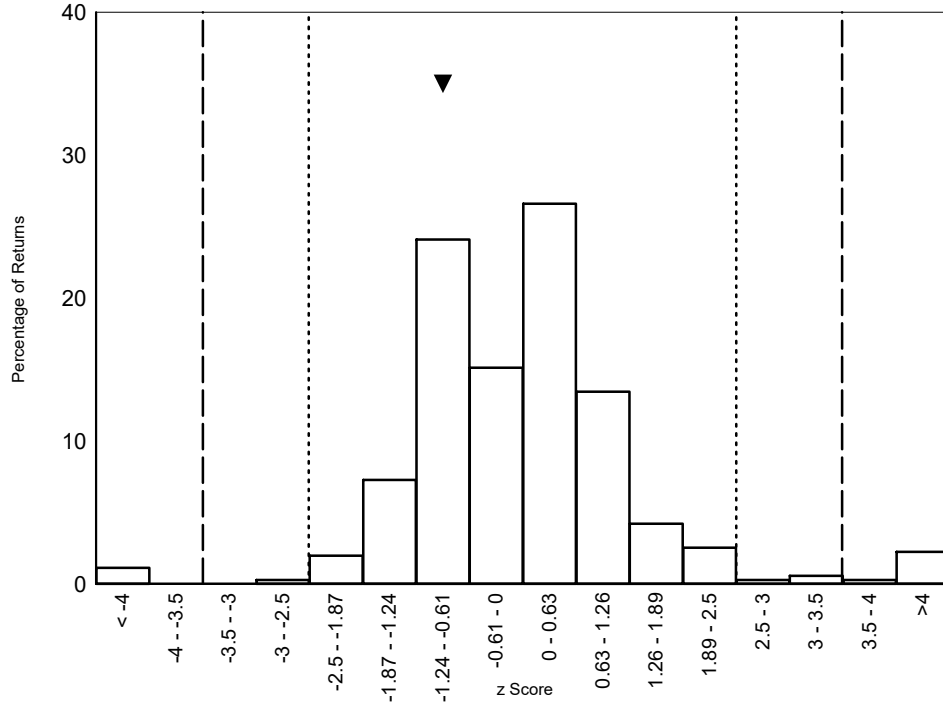
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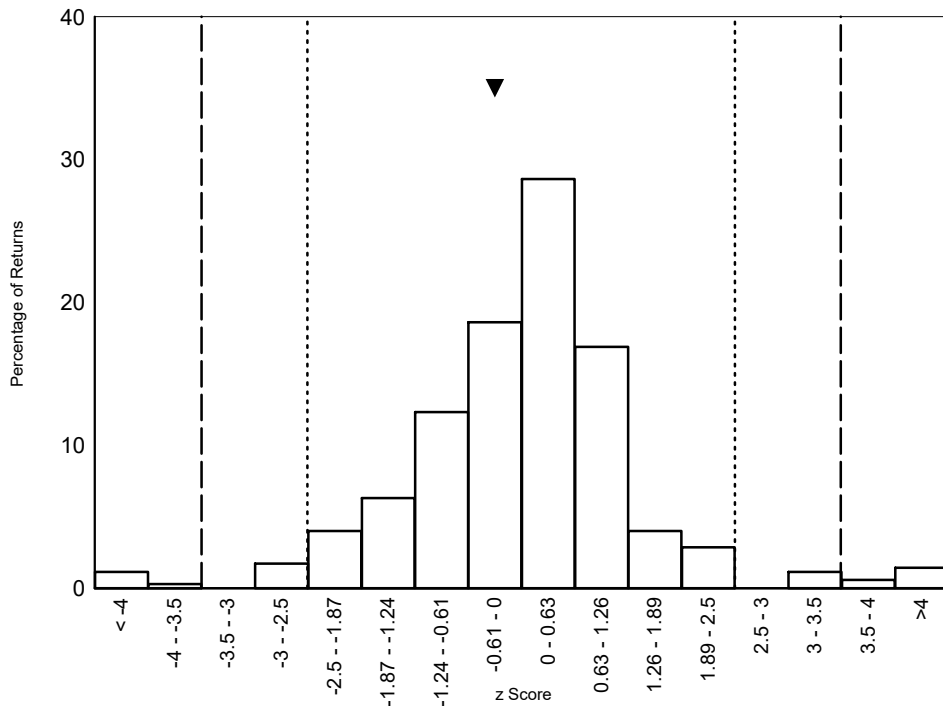
CD34+ Stem Cell Enumeration Programme

Histograms of Participant z Scores

Absolute Values (cells/ μ L)
Please note ▼ denotes your result



Percentage Values (%)
Please note ▼ denotes your result

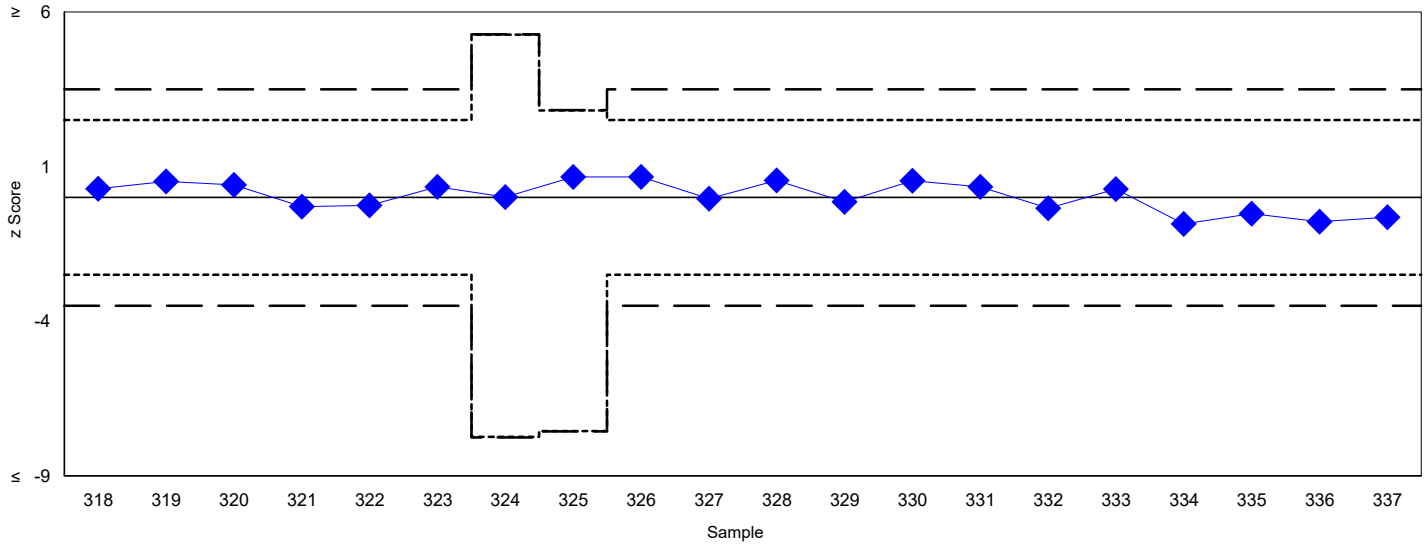


CD34+ Stem Cell Enumeration Programme

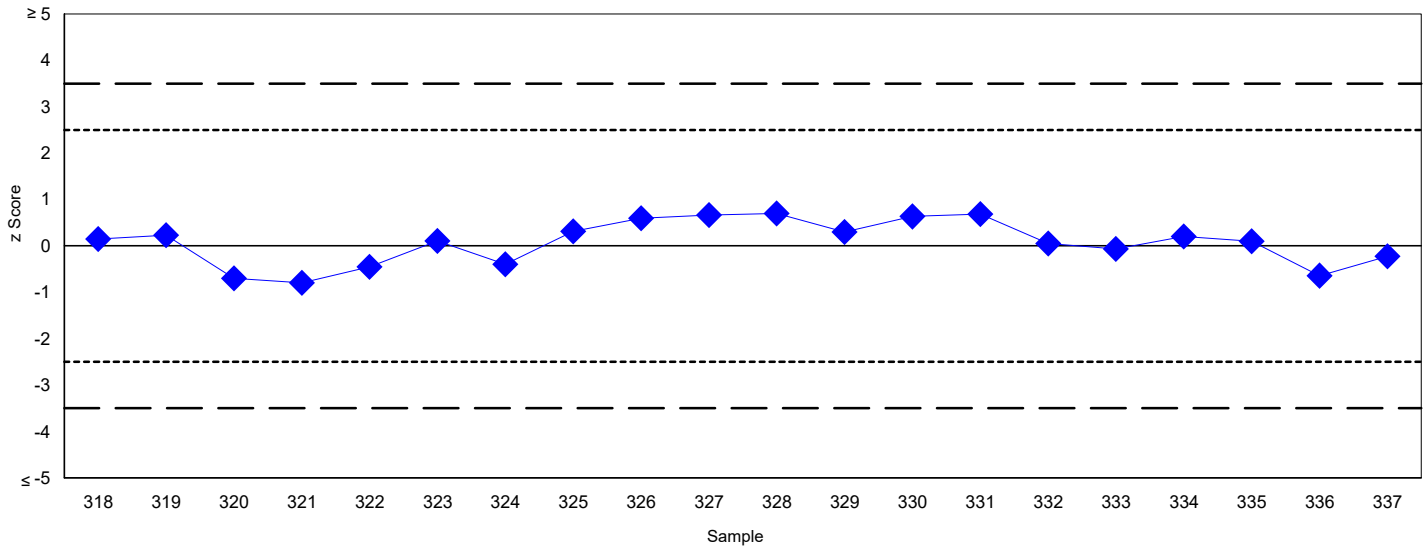
Shewhart Control Charts

(Please note each data point represents a single sample)

Absolute Values (cells/ μ L)



Percentage Values (%)

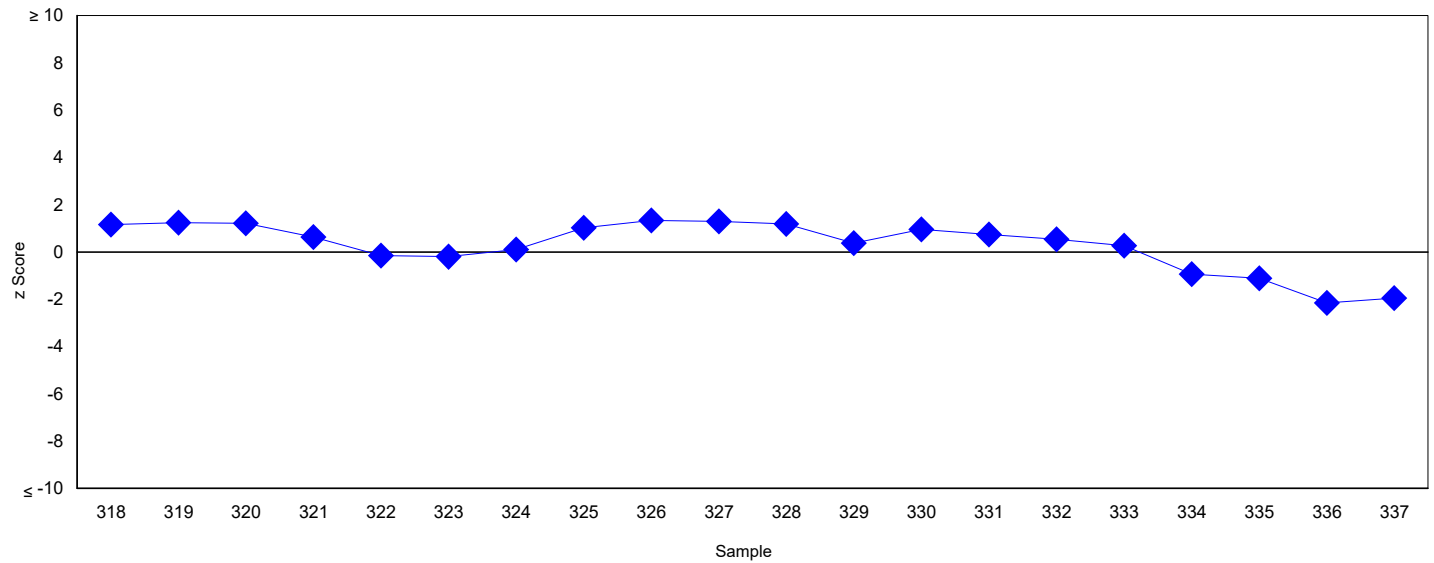


CD34+ Stem Cell Enumeration Programme

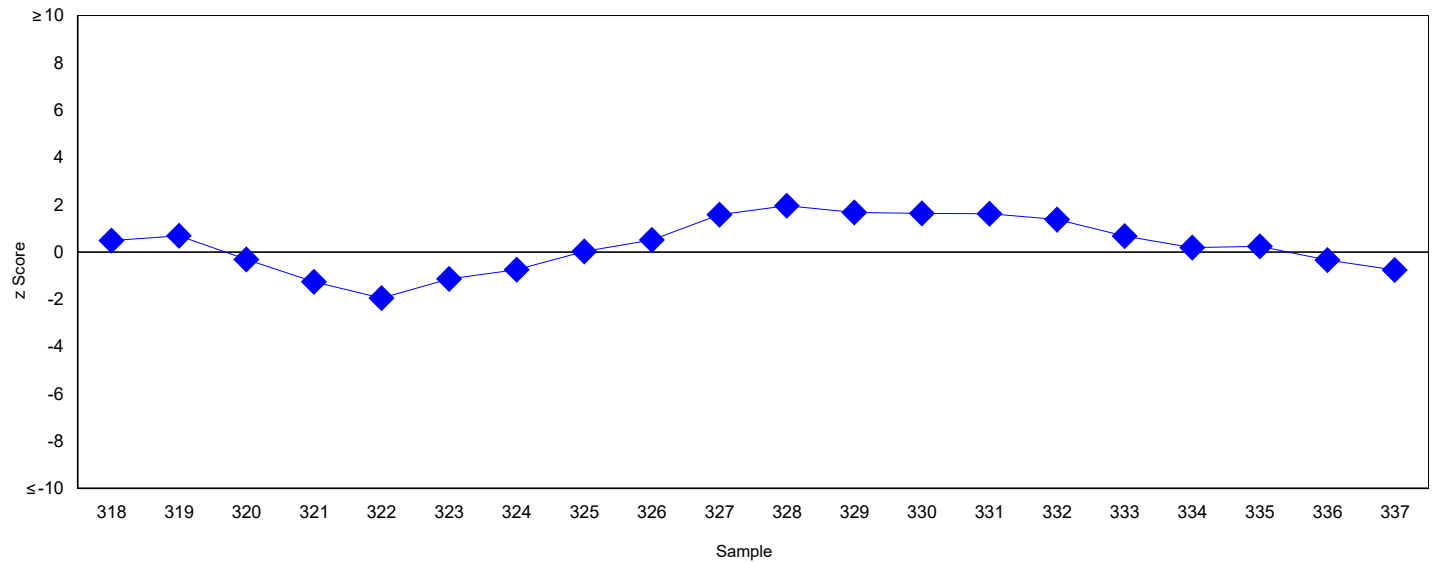
Cusum Control Charts

(Please note each data point represents the sum of the z scores of the current sample and the two previous samples)

Absolute Values (cells/ μ L)



Percentage Values (%)



CD34+ Stem Cell Enumeration Programme

Platform Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
FLOW COUNT	95	7.22	0.98	93	0.25	0.05
HAEMATOLOGY ANALYSER WBC	31	7.19	1.60	29	0.25	0.04
TRUCOUNT	183	7.97	1.02	182	0.25	0.04

Lysing Method Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
Ammonium Chloride (NH ₄ CL)	167	7.79	1.06	163	0.25	0.04
Facslyse	27	7.85	1.38	26	0.25	0.04
Pharmlyse	45	7.89	1.12	43	0.25	0.04
Stem Kit Lyse	89	7.32	1.28	88	0.25	0.05

Antibody Fluorochrome Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
PE	348	7.68	1.16	340	0.25	0.04

Flow Cytometer Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
DxFLEX	47	7.44	1.21	46	0.26	0.04
FACSCanto II	53	7.91	1.12	53	0.26	0.04
FACSLyric	147	7.97	1.00	144	0.25	0.04
Navios	59	7.24	1.00	56	0.25	0.05

Gating Strategy Specific Statistics

(Please note only groups of >=20 returns are displayed)

Method	Absolute Count Values (cells/ μ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
BD STEM CELL ENUMERATION KIT	108	7.96	1.14	107	0.24	0.04
ISHAGE	185	7.64	1.10	178	0.26	0.05
STEM KIT	60	7.33	1.15	60	0.24	0.05

Information with respect to compliance with standards BS EN ISO/IEC 17043:2023

7.4.3.2 a) The proficiency testing provider for this programme is:
UK NEQAS for Leucocyte Immunophenotyping
Pegasus House, 4th Floor Suite
463A Glossop Road
Sheffield, S10 2QD
United Kingdom
Tel: +44 (0) 114 267 3600
e-mail: admin@ukneqasli.co.uk

7.4.3.2 b) Person(s) authorising this report: Mr Stuart Scott (Director) of UK NEQAS LI.

7.4.3.2 c) Administration and shipping for this programme is provided by EQA International Limited. No other activities in relation to this EQA exercise were subcontracted.

7.4.3.2 c) Where externally provided products or services are used in the delivery of EQA, a competent supplier is used, the EQA provider is responsible for this work and participants are informed accordingly.

7.4.3.2 f) The UK NEQAS LI Privacy Policy can be found at the following link: https://sheffield-ukneqas.ipassportqms.com/document_download/NjRINTqxYzctMTI4ZS00MTg4LWI2ZDMtZDdkYzJhMTFIZlZlZ3. Participant details, their results and their performance data remain confidential unless we are required by law to share this information. Where required by law or authorised by contractual arrangements to release confidential information, UK NEQAS LI will notify those concerned of the information released, unless prohibited by law. For UK participants, the relevant National Quality Assessment Advisory Panel (NQAAP) is informed when a UK participant is identified as having performance issues. Please note, the activities of the NQAAPs are currently paused, whilst alternative funding mechanisms are sought.

7.4.3.2 h) All EQA samples are prepared in accordance with strict standard operating procedures by trained personnel proven to ensure homogeneity and stability. Where appropriate/possible EQA samples are tested prior to issue.

7.4.3.2 j), m), n), o) & r) Please refer to the UK NEQAS LI website at www.ukneqasli.co.uk for detailed information on each programme including the design and implementation of the programme, example annotated reports including and the performance systems applied to assess performance (for BS EN ISO/IEC 17043:2023 accredited programmes only). Where a scoring system refers to the 'consensus result' this means the result reported by the majority of participants for that trial issue. Advice on the interpretation of statistical analyses and the criteria on which performance is measured is also given. Please note that where different methods/procedures are used by different groups of participants these may be displayed within your report, but the same scoring system is applied to all participants irrespective of method/procedure used.

7.4.3.2 l) We do not assign values against reference materials or calibrants.

7.4.3.2 q) Details of the programme designs as authorised by The Steering Committee and Specialist Advisory Group can be found on our website at www.ukneqasli.co.uk. The proposed trial issue schedule for each programme is also available.

7.4.3.2 t) If you would like to discuss the outcomes of this trial issue, please contact UK NEQAS LI using the contact details provided. Alternatively, if you are unhappy with your performance classification for this trial, please find the appeals procedure at www.ukneqasli.co.uk/contact-us/appeals-and-complaints/

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