

## CD34+ Stem Cell Enumeration Programme

Distribution - 202105

Sample - 280

Participant ID -

Date Issued - 03 February 2021

Closing Date - 23 February 2021

Machine Used - FACSCanto II

### Trial Comments

This exercise was issued to 356 participants. This is the final version of the report.

### 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/ $\mu$ L)	Robust Mean (cells/ $\mu$ L)	Robust SD (cells/ $\mu$ L)
CD34 Absolute Values		15.05	1.74

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

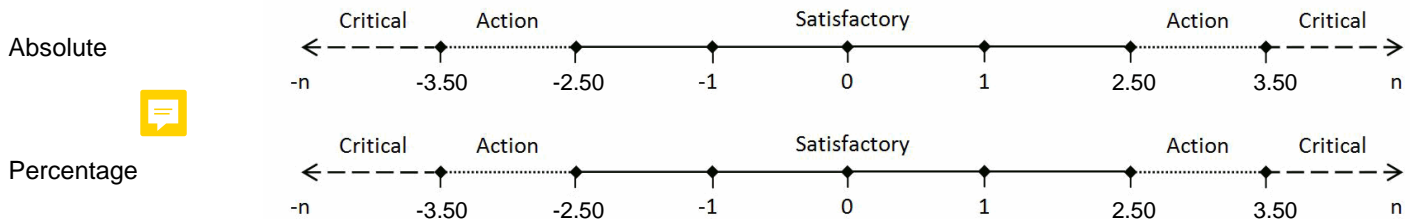
### Percentage Values Results and Performance

Cell Population	Your Results %	Robust Mean %	Robust SD %
CD34 Percentage Values		0.33	0.04

Cell Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
CD34 Percentage Values		Satisfactory	11	1	0

### \*z Score Limits Definitions

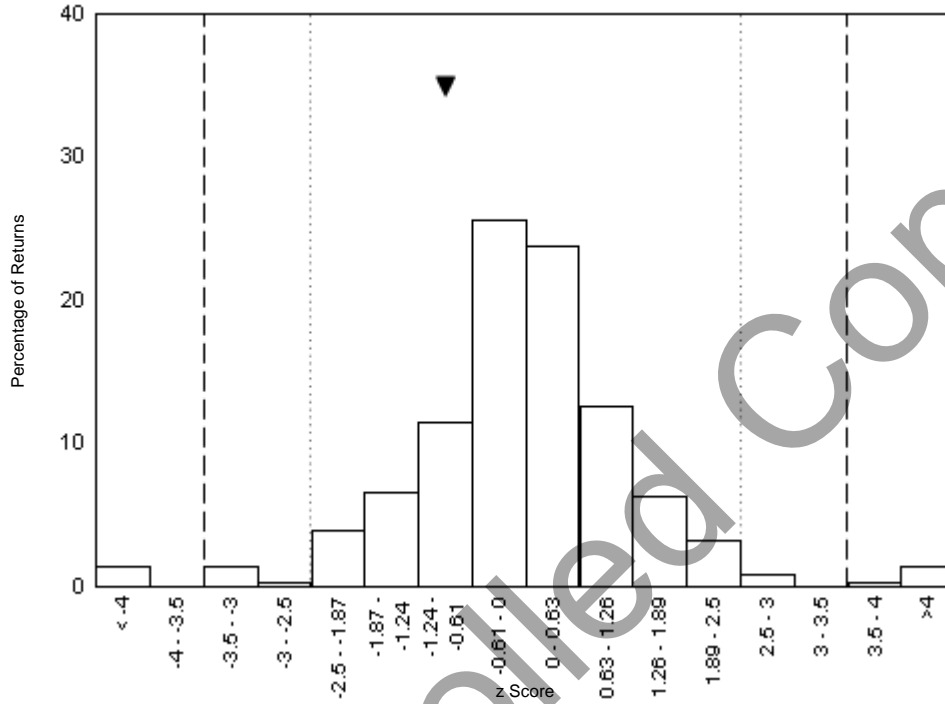
Please note the scale below is applicable to the tables above and to the z score histograms and Shewhart control charts that follow. It is not applicable to the Cusum control charts.



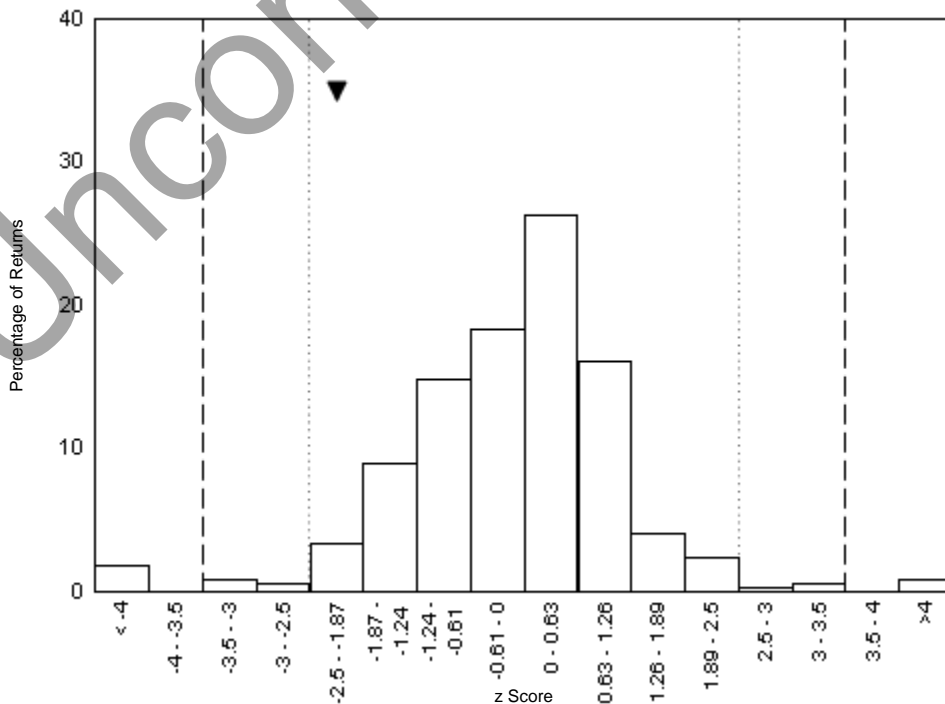
## CD34+ Stem Cell Enumeration Programme

### Histograms of Participant z Scores

Absolute Values (cells/ $\mu$ L)  
Please note ▼ denotes your result



Percentage Values (%)  
Please note ▼ denotes your result



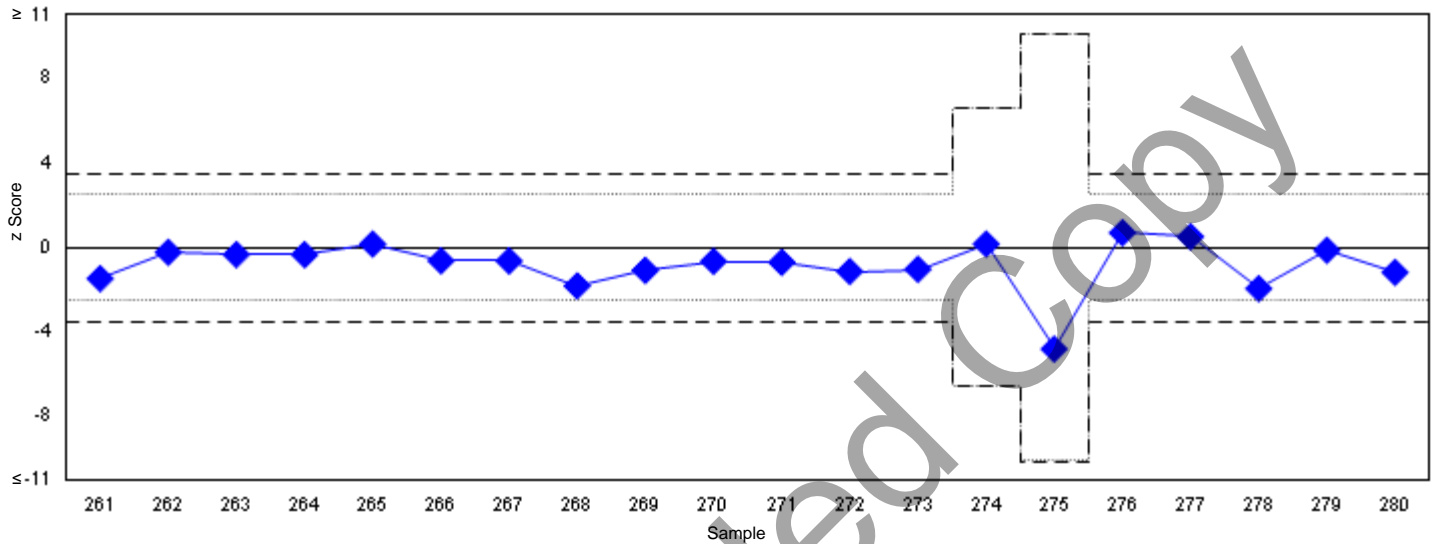
## CD34+ Stem Cell Enumeration Programme

### Shewhart Control Charts

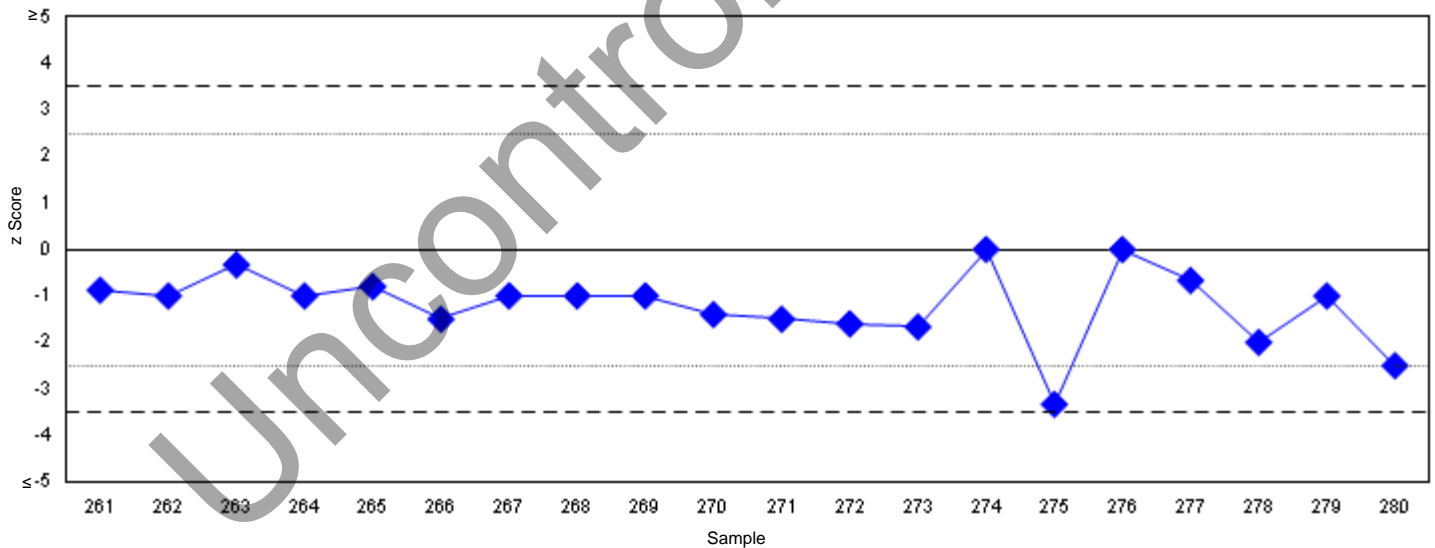
(Please note each data point represents a single sample)



Absolute Values (cells/ $\mu$ L)



Percentage Values (%)



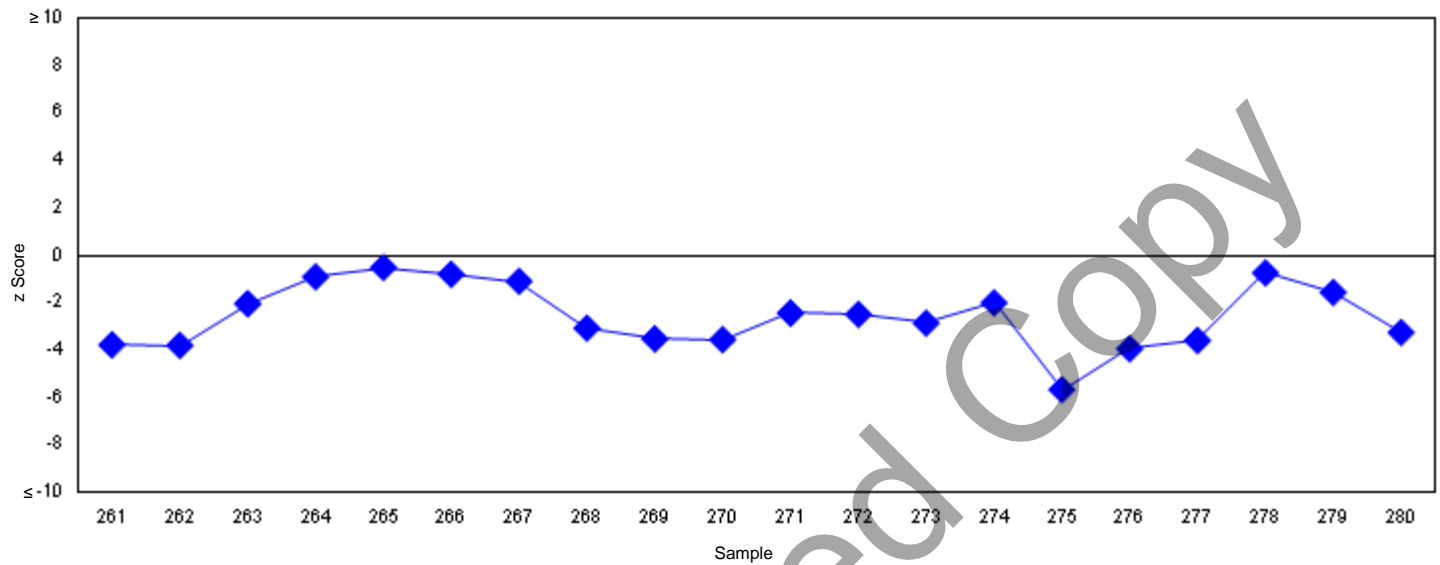
## CD34+ Stem Cell Enumeration Programme

### Cusum Control Charts

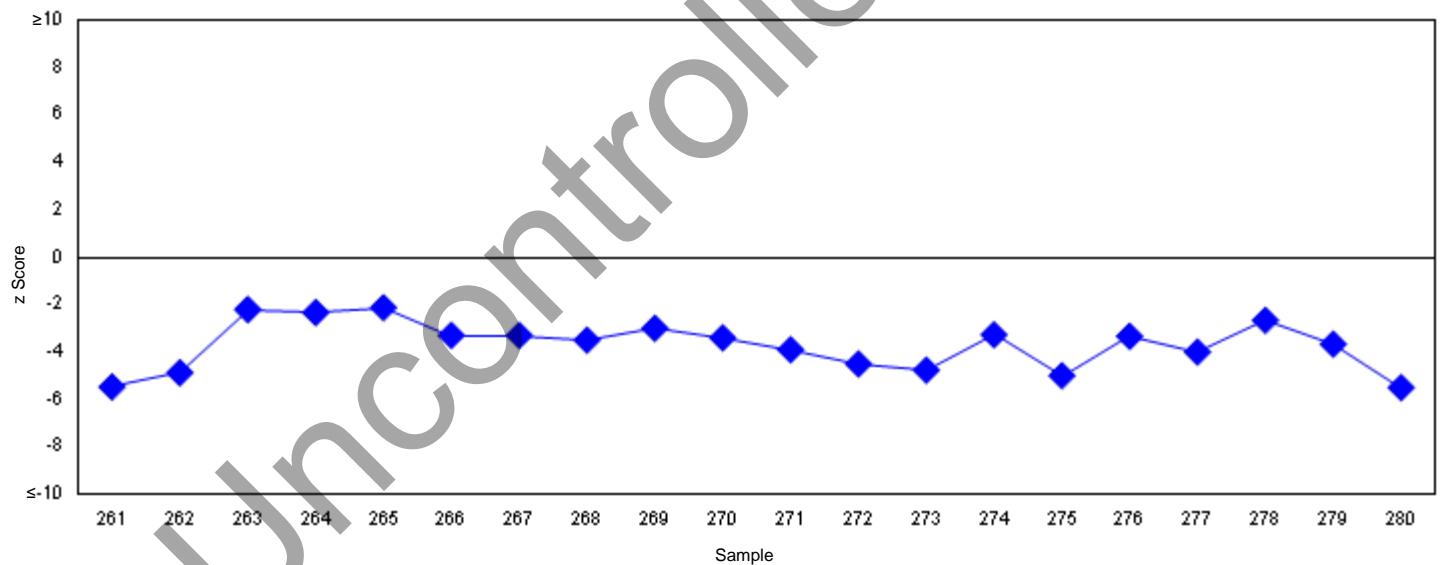
(Please note each data point represents the sum of the z scores of the current sample and the two previous samples)



#### Absolute Values (cells/ $\mu$ 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/ $\mu$ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
FLOW COUNT	90	14.25	2.05	89	0.32	0.04
HAEMATOLOGY ANALYSER WBC	32	15.03	2.08	32	0.33	0.05
TRUCOUNT	185	15.47	1.71	178	0.33	0.04

### Lysing Method Specific Statistics

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



Method	Absolute Count Values (cells/ $\mu$ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
Ammonium Chloride (NH <sub>4</sub> CL)	154	15.18	1.61	151	0.33	0.03
Facslyse	26	14.98	2.32	25	0.33	0.05
Pharmlyse	46	15.29	1.68	42	0.33	0.05
Stem Kit Lyse	76	14.36	2.14	75	0.31	0.05

### Antibody Fluorochrome Specific Statistics

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



Method	Absolute Count Values (cells/ $\mu$ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
PE	329	15.03	1.80	320	0.33	0.04

### Flow Cytometer Specific Statistics

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



Method	Absolute Count Values (cells/ $\mu$ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
FACSCalibur	26	15.54	1.21	25	0.31	0.05
FACSCanto II	139	15.26	1.86	134	0.33	0.04
FACSLyric	28	15.86	1.26	27	0.33	0.04
FC 500.	29	14.36	1.54	29	0.31	0.05
Navios	78	14.34	2.12	77	0.32	0.05

### Gating Strategy Specific Statistics

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



Method	Absolute Count Values (cells/ $\mu$ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
BD STEM CELL ENUMERATION KIT	81	15.20	1.77	80	0.33	0.03
ISHAGE	197	15.11	1.77	189	0.33	0.04
STEM KIT	49	14.18	2.39	49	0.31	0.05

## CD34+ Stem Cell Enumeration Programme

Distribution - 202105

Sample - 281

Participant ID -

Date Issued - 03 February 2021

Closing Date - 23 February 2021

Machine Used - FACSCanto II

### Trial Comments

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### 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/ $\mu$ L)	Robust Mean (cells/ $\mu$ L)	Robust SD (cells/ $\mu$ L)
CD34 Absolute Values		9.72	1.24

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

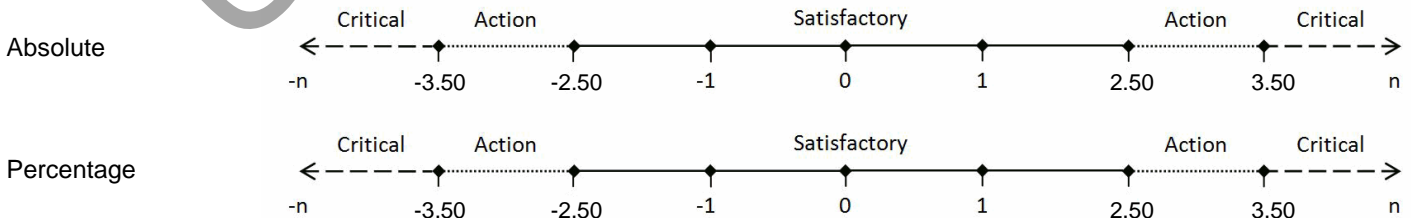
### Percentage Values Results and Performance

Cell Population	Your Results %	Robust Mean %	Robust SD %
CD34 Percentage Values		0.15	0.02

Cell Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
CD34 Percentage Values		Satisfactory	11	1	0

### \*z Score Limits Definitions

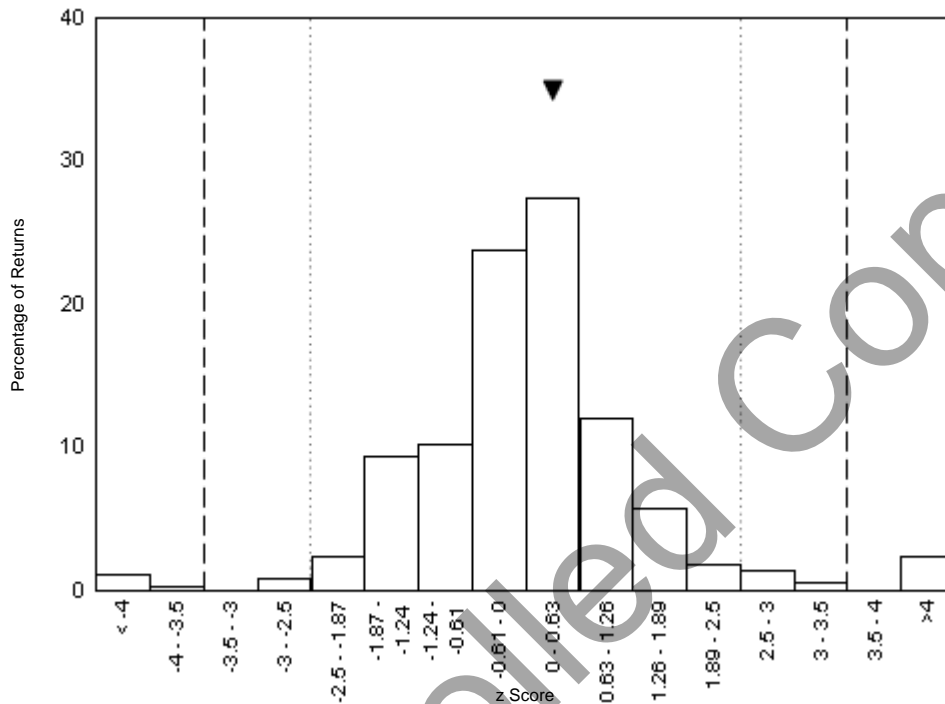
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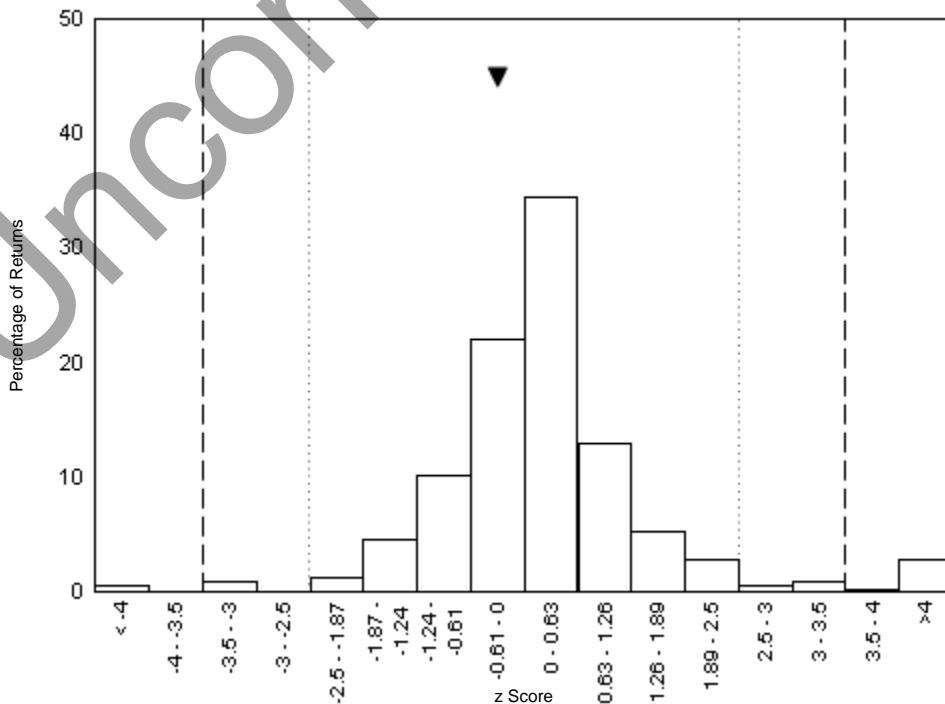
### CD34+ Stem Cell Enumeration Programme

#### Histograms of Participant z Scores

Absolute Values (cells/ $\mu$ L)  
Please note ▼ denotes your result



Percentage Values (%)  
Please note ▼ denotes your result

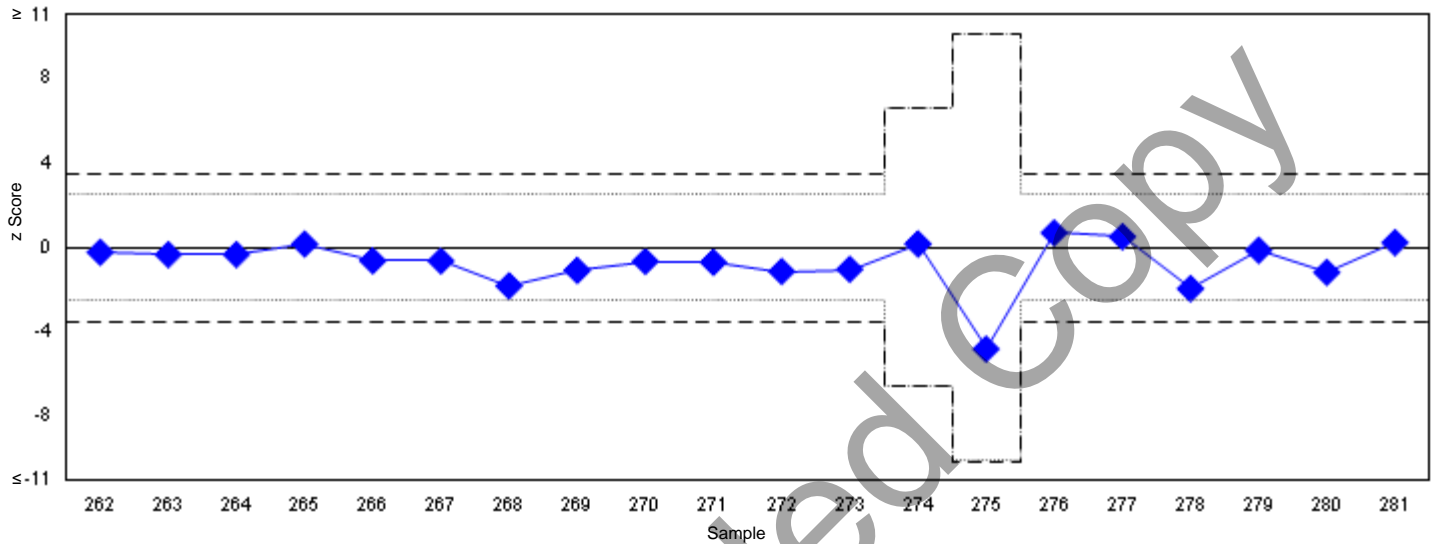


## CD34+ Stem Cell Enumeration Programme

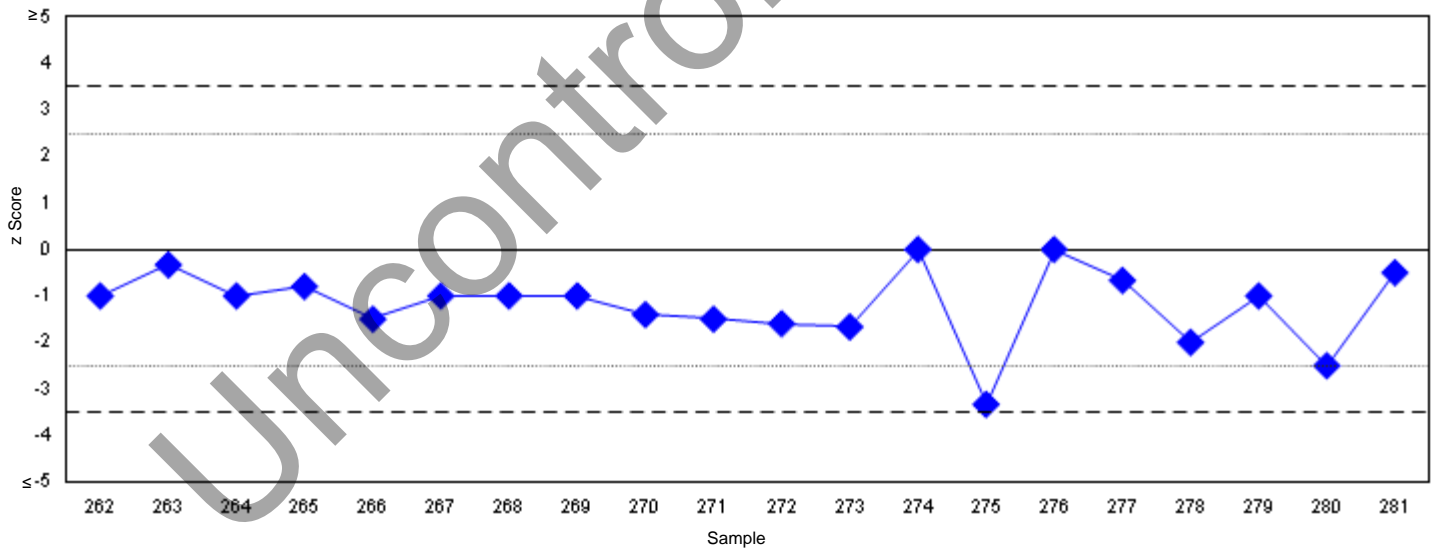
### Shewhart Control Charts

(Please note each data point represents a single sample)

Absolute Values (cells/ $\mu$ L)



Percentage Values (%)



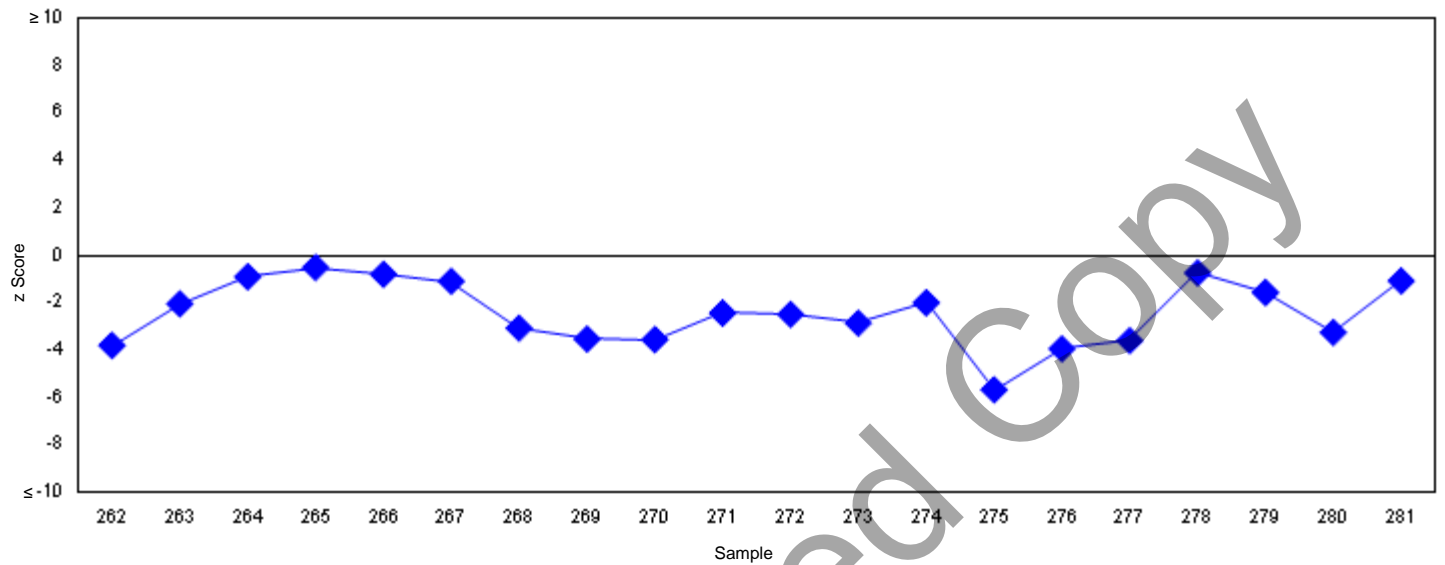


## CD34+ Stem Cell Enumeration Programme

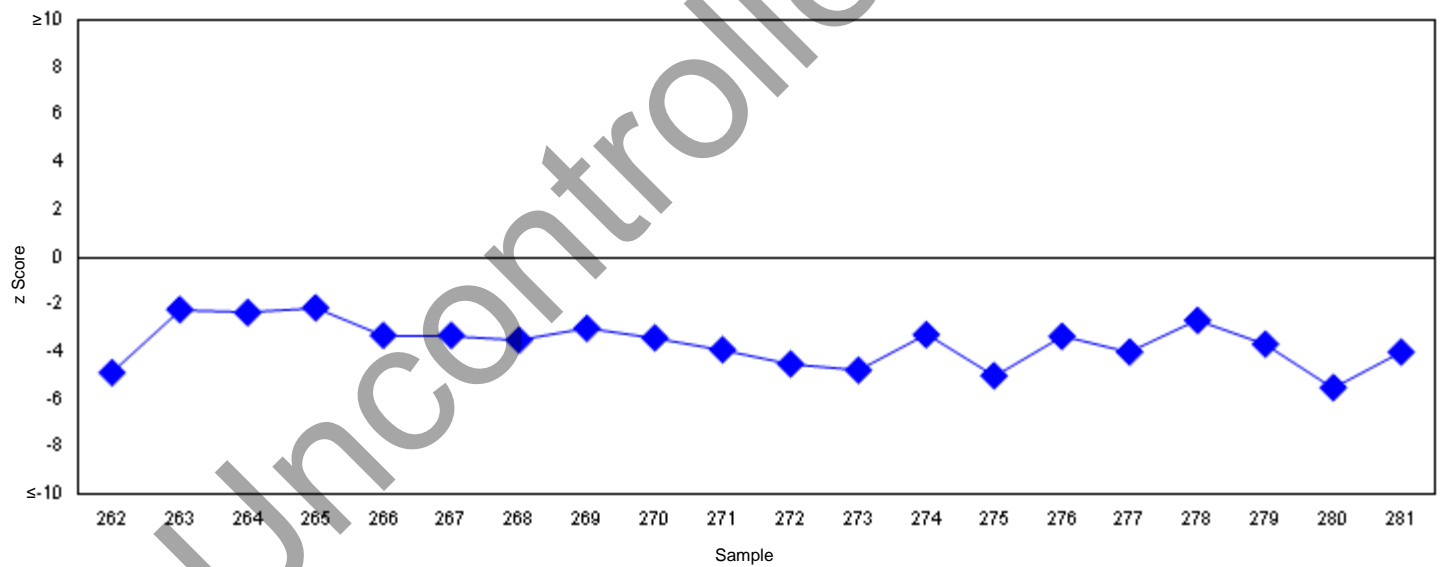
### Cusum Control Charts

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

#### Absolute Values (cells/ $\mu$ L)



#### Percentage Values (%)



## CD34+ Stem Cell Enumeration Programme

### Platform Specific Statistics

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

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FLOW COUNT	90	9.48	1.17	89	0.15	0.02
HAEMATOLOGY ANALYSER WBC	32	9.68	1.16	32	0.15	0.02
TRUCOUNT	185	9.86	1.28	178	0.15	0.02

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

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Facslyse	26	9.96	1.61	25	0.16	0.02
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Stem Kit Lyse	76	9.39	1.31	75	0.15	0.02

### Antibody Fluorochrome Specific Statistics

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

Method	Absolute Count Values (cells/ $\mu$ L)			Percentage Values		
	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
PE	329	9.71	1.23	320	0.15	0.02

### Flow Cytometer Specific Statistics

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

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	Returns	Robust Mean	Robust SD	Returns	Robust Mean	Robust SD
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Navios	78	9.36	1.13	77	0.15	0.02

### Gating Strategy Specific Statistics

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ISHAGE	197	9.81	1.23	189	0.15	0.02
STEM KIT	49	9.25	1.51	49	0.15	0.02