

Sysmex QC Concept Series Outline

Prepared by: Sysmex UK Training Academy

TRAINING OBJECTIVES	SUPPORTING TRAINING MATERIAL
To be able to explain why QC analysis is required	Sysmex QC Concept Series Workbook
To be able to describe how Sysmex QC material is produced and how Sysmex QC assay values are assigned	XN-Series IFU
To be able to explain what needs to be considered when reviewing QC performance	XN-L Series IFU
To be able to explain what is meant by 3rd Party QC	XE-Series IFU
To be able to explain the difference between IQC and EQA	XN-V Series IFU
To be able to explain how Sysmex XN CAL material is produced and how XN CAL targets and ranges are assigned	e-CHECK (XE) Pack Insert
To be able to explain what traceability and uncertainty are and their impact on the laboratory	XN CHECK Pack Insert
To be able to describe the calibration process and the results achieved during the calibration process	XN CHECK BF Pack Insert
To be able to describe what XbarM is and the benefits of using it	XN CAL Pack Insert
To be able to explain the parameters used for XbarM analysis and how the system collects and presents the data	XN CAL PF Pack Insert
To be able to describe the factors that can influence XbarM	Statement for separate production line for XN CAL and XN CHECK
To be able to setup and customise XbarM files and ranges	SEED Haematology: Traceability and Uncertainty
•To be able to describe what Caresphere XQC is and how it can be used as part of QC monitoring	SEED Haematology: Quality Control Materials
	SEED Haematology: Internal Quality Control in Haematology
	XbarM target ranges for X-Class analysers
	XbarM Customised Limits for XN-Series
	XbarM mean and limit values for XN-Series
	XbarM mean and limit values for XN-L Series
	XbarM mean and limit value barcodes for XN-L Series
	XbarM Product Information
	Sysmex Xtra article – The XbarM control program
	XbarM – General information on calculation

LIST OF TOPICS COVERED*

- QC analysis
- Sysmex IQC material
- Sysmex IQC Assay values
- Reviewing QC performance
- 3rd party QC
- EQA
- Composition of calibration materials

LIST OF TOPICS COVERED CONTINUED*

- Sysmex XN CAL Targets and Ranges
- Traceability and Uncertainty
- Reviewing QC performance
- Calibration using XN CAL
- What is XbarM
- Inclusion Criteria for XbarM
- Classification of XbarM Parameters
- Batch size
- Setting up XbarM
- What impacts XbarM
- Benefits of XbarM
- What Caresphere XQC is
- Features of Caresphere XQC

PREREQUISITE KNOWLEDGE

Working knowledge of how to process samples on the relevant analyser
Working knowledge of haematology

ASSESSMENT CRITERIA

Assessment will be via the Sysmex QC Concept Series module assessment issued via Sysmex Academy following completion of the training.

NEXT STEPS

None

*Sysmex reserves the right to alter the content at the trainer's discretion.