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SECTION 12
HAEMATOLOGY

Haematology

Hematology controls are crucial in diagnostics for ensuring the accuracy and reliability of tests that analyse blood components, including red and white blood cells, platelets, and hemoglobin levels. These controls consist of standardised samples with known cell counts and characteristics, used to validate laboratory instruments and procedures for tests like complete blood counts (CBC) and coagulation profiles. By implementing these controls, laboratories can detect any discrepancies in test results, which is essential for diagnosing conditions such as anemia, leukemia, and other blood disorders, as well as for monitoring patient response to treatment.

The role of hematology controls extends to maintaining quality assurance within laboratory settings, allowing for consistent and reproducible results across different testing environments. Reliable hematology diagnostics are vital for guiding clinical decision-making and ensuring appropriate patient management. Regular use of these controls helps identify potential issues with reagents or equipment, thereby minimising the risk of misdiagnosis or inappropriate treatment. Overall, hematology controls play a significant role in enhancing the quality of healthcare by providing accurate diagnostic information that informs treatment strategies and improves patient outcomes.

The Fortress Haematology Controls combines 14 analytes, covering the most commonly tested blood profiles in a single control. With 3-part differential technology an unbiased, independent assessment of analytical performance. The controls are supplied with instrument and method specific assigned values.



Lyophilised



Liquid Frozen



Liquid Stable



100% Human Serum



Assayed Target Values Provided

Haematology Controls & Calibrators



- Fortress Haematology calibrators are intended for calibrating 3 part differential analysers.
- The controls are intended for monitoring accuracy and precision in 3 part differential analysers.
- The product is supplied as a liquid stable material with storage at 2-8 °C.
- When opened, this product is stable for a period of 21 days, when stored at 2-8 °C.

Values Available for the Following Analysers:

Abbott Cell Dyn 1600/1700/1800, ABX Micros 60, 80/80XL, Coulter Act 5 Diff, Coulter ACT Diff/ACT Diff 3, Coulter MD Series, Coulter STKS/MAXM/HMX, Coulter T890/T660/T540, Danam DATACELL 16CP/11800/18/18MS/18MS Plus, Siemens ADVIA 120/2120/1210i, Sysmex XE2100/XE5000/XT1800i/XT2000i/XS1000i, Sysmex KX21/K1000, ERMA PCE210, Merck Medonic CA620, Mindray BC1800/BC3000/BC-3000CT/BC3200/BC3000 Plus/BC2600/BC2800, Nihon Kohden CELLTAC Alpha MEK 6318, MEK 6410K, Fortress CellDiff 3, Swelab AC920, Medonic CA610, Abacus Junior.

Analytes

| | | | |
|-----------------------------------|-----------------------------------|--|--------------------------|
| Haemoglobin HCT MCH MCHC | MCV MPV Platelets RDW CV | RDW SD Total RBC Total WBC Granulocytes | Lymphocytes Mid Cells |
|-----------------------------------|-----------------------------------|--|--------------------------|

| Description | Size | Cat No. | Type |
|--------------------------------|--------------|----------|------|
| Haematology Calibrator | 3 x 3 ml | HAEMC005 | LS |
| Haematology Control (Level 1) | 3 x 3 ml | HAEMC001 | LS |
| Haematology Control (Level 2) | 3 x 3 ml | HAEMC002 | LS |
| Haematology Control (Level 3) | 3 x 3 ml | HAEMC003 | LS |
| Haematology Control (3 Levels) | 3 x 3 x 3 ml | HAEMC004 | LS |