



Quality Controls

Quality Control Materials for Chemistry, Hemostasis and Critical Care



CliniCHECK™ Chemistry Controls & Calibrator

Specifications

- Human serum based
- 3 year shelf life at 2–8°C
- 20 day frozen reconstituted stability for most analytes
- 7 day open-vial stability at 2–8°C for most analytes
- Controls require no special diluent and has good frozen reconstituted stability for enzymes and tCO₂



Analytes

- | | | |
|---|-------------------------|--------------------|
| - Acetaminophen | - Cholesterol (LDL) | - Lipase |
| - Acid Phosphatase (Total) | - Cholesterol (Total) | - Lithium |
| - Albumin | - Cholinesterase | - Magnesium |
| - Alkaline Phosphatase (ALP) | - Complement C3 | - Phosphorus |
| - Alpha-1-Antitrypsin (1) | - Complement C4 | - Potassium |
| - Alpha-Fetoprotein (1) | - Creatine Kinase (CK) | - Protein (Total) |
| - Alpha-Hydroxybutyrate Dehydrogenase (aHBDH) | - Creatinine | - Salicylate |
| - ALT/SGPT | - Digoxin | - Sodium |
| - Amylase | - GGT | - T3 (Free) |
| - Apolipoprotein A-1 | - Glucose | - T3 (Total) |
| - AST/SGOT | - Haptoglobin | - T4 (Free) |
| - Bilirubin (Direct) | - IgA | - T4 (Total) |
| - Bilirubin (Total) | - IgG | - tCO ₂ |
| - Calcium | - IgM | - Transferrin |
| - Carcinoembryonic Antigen (1) | - Iron | - Triglycerides |
| - Ceruloplasmin (1) | - Iron (TIBC) | - TSH |
| - Chloride | - Iron (UIBC) | - Urea |
| - Cholesterol (HDL) | - Lactate (Lactic Acid) | - Urea Nitrogen |
| | - LDH | - Uric Acid |

Assayed Instrumentation

- Abbott Architect Chemistry Analyzers
- Beckman (Olympus) Chemistry Analyzers
- Beckman (Olympus) AU Chemistry Analyzers
- Beckman Coulter CX/DXC Chemistry Analyzers
- Ortho Clinical (J&J) Chemistry Analyzers
- Roche Cobas Chemistry Analyzers
- Roche Hitachi Chemistry Analyzers
- Siemens Advia Chemistry Analyzers
- Siemens Dimension Chemistry Analyzers

Additional Instrumentation available upon request

Mission CONTROL™ Blood Gas & Electrolyte Control

Aqueous Based Controls

- Assayed for pH, pCO₂, pO₂, Na⁺, K⁺, Ca⁺⁺, Cl⁻, Li⁺, tCO₂
- 36 month stability room temperature
- 60 second Open Vial Stability
- 30 Ampule Individual Level and Tri-Pack Combination Availability



Assayed Instrumentation

- | | | |
|-----------------|------------------------------|-----------------|
| - Abbott I-Stat | - Instrumentation Laboratory | - Radiometer |
| - Diamond | - Medica | - Roche |
| - Fresenius | - Nova Biomedical | - Siemens |
| - Idexx | - Optimedical | - Techno Medica |

Mission TRINITY™ Blood Gas Combination Control

Aqueous Based Controls with Dyes and Metabolites

- Assayed for pH, pCO₂, pO₂, Na⁺, K⁺, Ca⁺⁺, Cl⁻, Glucose, Lactate, tHb, sO₂, MetHb, COHb, HHb, O₂Hb
- 36 month stability when refrigerated
- 60 second Open Vial Stability
- 30 Ampule Individual Level and Tri-Pack Combination Availability

Assayed Instrumentation

- Instrumentation Laboratory
- Radiometer
- Roche Diagnostics
- Siemens



Mission COMPLETE™ Linearity Control

Aqueous Based CVM Linearity Controls

- Assayed for pH, pCO₂, pO₂, Na⁺, K⁺, Ca⁺⁺, Cl⁻, Li⁺, Glucose, Lactate
- 36 month stability when refrigerated
- 60 second Open Vial Stability
- 5 Levels with Color Coded Ampules covering analyzer significant ranges

Assayed Instrumentation

- | | | |
|-----------------|------------------------------|-----------------|
| - Abbott I-Stat | - Instrumentation Laboratory | - Radiometer |
| - Diamond | - Medica | - Roche |
| - Fresenius | - Nova Biomedical | - Siemens |
| - Idexx | - Optimedical | - Techno Medica |



HemoCHECK™ 3PD Hematology Control

Multi-Parameter Assayed 3 Part Differential Hematology Control

- Three distinct populations of lymphocytes, monocytes and granulocytes
- 3 Levels Abnormal Low, Normal, Abnormal High
- Cap-Pierceable Vials allowing for auto sampling use
- 30 Day Open Vial Stability
- 180 Day Closed Vial Stability

Parameters

- WBC, RBC, PLT, HGB, HCT, MCV, MCH, MCHC, MPV, RDW, L#, L%, M#, M%, G#, G%

Assayed Instrumentation

- Abbott Cell-DYN Hematology Systems
- Beckman Coulter ACT Hematology Systems
- Horiba Micros Systems
- Mindray BC Systems
- Sysmex KX, XP Systems



HemoCHECK™ 5PD Hematology Control

Multi-Parameter Assayed 5 Part Differential Hematology Control

- Five distinct populations of lymphocytes, monocytes, basophils, neutrophils, eosinophils
- 3 Levels Abnormal Low, Normal, Abnormal High
- Cap-Pierceable Vials allowing for auto sampling use
- 30 Day Open Vial Stability
- 120 Day Closed Vial Stability

Parameters

- WBC, RBC, PLT, HGB, HCT, MCV, MCH, MCHC, MPV, RDW, L#, L%, M#, M%, B#, B%, N#, N%, E#, E%

Assayed Instrumentation

- Abbott Cell-DYN Hematology Systems
- Beckman Coulter ACT, LH, DXH Systems
- Horiba Pentra Systems
- Nihon-Khoden MEK Systems
- Mindray BC Systems
- Siemens Advia Systems
- Sysmex XT, XE, XS Systems



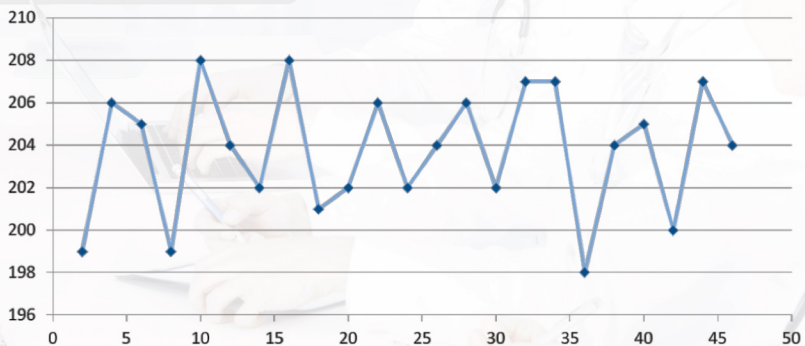
Live Peer Statistics

Diamond CliniSTAT™

- Intuitive, hierarchical selection and navigation interface
- Month to Date, Year to Date and Peer Group Reference
- Levey-Jennings Plots provided
- Linear Regression Graphs supplied on-line for Complete Customers
- Dynamic menus to support range of current and future capabilities



Sample pO₂ QC Level Graph



CliniSTAT™ is a simple to use, custom-designed web-based application which enables our quality control customers to review their results in comparison with a group of customers in a similar setting, referred to as a peer group. The application is simple to use and live allowing our customers current reporting. This service is available at no charge to customers.



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