

TRINA



CONTROLS & CALIBRATORS

DIABETES /  
HEMOGLOBIN  
CONTROLS

## Diabetes / Hemoglobin controls

Use these human whole blood based controls to assess the assay precision in various instruments for diabetes monitoring and measurement of hemoglobin variants.

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# OEM Manufacturing

TRINA Manufactures customized bulked and vialled controls, calibrators and panels. Through our scalable and lean production design, we ensure low cost and consistency in many IVD supply chains worldwide. Our strength lies in the customization and adaption of each product, while having an unrivaled access to raw materials, antigens, plasmas and components.

## 1. Human Plasma / Serum

- Characteristics: Matrix, Population, Regulatory
- Titer: Assay, Subtyping, IgG, IgM / Viral load / Antigen load

## 2. Processed Plasma

- Filter Method
- Buffer
- Antimicrobial / Antifungal Agents
- Proprietary Stabilization
- Heat treatments
- Processing Method
- Defibrination
- Delipidation
- Dialyse
- Level adjustment

## 3. Controls / Calibration / Proficiency testing / Panels

- Natural Enzyme immobilization
- Protease Inhibitors
- Stability Data
- Vial Selection
- Additives / Antioxidants
- Additives for Lyophilization / Liquid Stability
- Cryoprotectants

controler level process

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## 1.1 HbA1c Liquid control / Verification

HbA1c Controls & Calibrators are intended for use as quality control material to monitor the performance and precision of diabetes (HbA1c %) Kits.

Code	Specificity	Source	Form
A0809-1	Hemoglobin A1c, 10.0%	human erythrocyte	frozen
A0809-2	Hemoglobin A1c, 15.0 - 16.0%	human erythrocyte	frozen
A0809-3	Hemoglobin A1c, 3.0 - 4.0%	human erythrocyte	frozen
A0809-4	Hemoglobin A1c, 5.0 - 6.0%	human erythrocyte	frozen
A0809-5	Hemoglobin A1c, 7.0 - 8.0%	human erythrocyte	frozen
A0810	Hemoglobin base, free of HbA1c	human erythrocyte	frozen

## 1.2 HbA1c Lyophilized Control

HbA1c Controls & Calibrators are intended for use as quality control material to monitor the performance and precision of diabetes (HbA1c %) Kits.

Method Instrument / Kit	Unit	Level 1 target values	Level 2 target values	Level 3 target values	Level 4 target values
Cobas Integra 400	%A1c	5.6	8.7	11.0	13.4
Bayer A1c now+	%A1c	5.2	7.7	10.4	12.5
Tosho 2.2 HPLC	%A1c	5.7	8.8	11.8	14.5
Tosho G8 HPLC	%A1c	5.3	8.3	11.1	14.3
Variant II	%A1c	5.5	8.2	11.0	13.5
Primus ultra2	%A1c	5.3	8.1	11.0	13.9
DCA 2000	%A1c	5.2	8.0	10.8	14

- 0.2ml - 10ml vials or 10L - 100L bulk
- frozen or lyophilized
- >6 month +2 - 8°C stability
- for manual / or automated platforms
- customized levels, aliquots, OEM labels, OEM boxes

### 1.3 Hematology control with CRP

	Level 1	Level 2
CRP	40mg/L	250-500mg/L

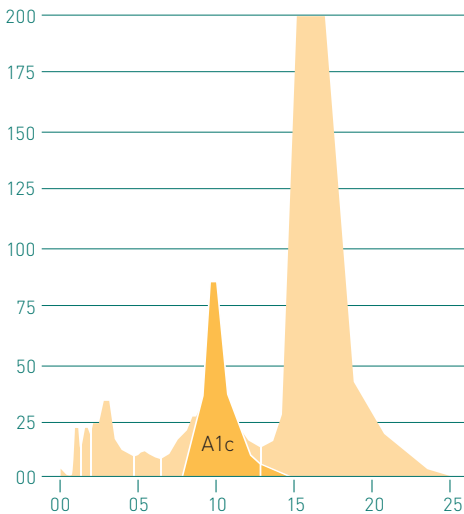
- Tested values: Hb, Hk, Ec, Lc, Tc
- Liquid
- Stabilized

### 1.4 RBC Basematrix

Lysed Red Blood Cells for Immunosuppressant Control

Analyte	Value
Hemoglobin [%]	13.01
pH	7.03

- Source: Human red blood cells from U.S. plasma collection centers
- Appearance: Liquid
- Additives: Stabilized
- Storage: -20°C or colder







Your Swiss reference partner  
for IVD and Pharma customized  
bulk materials.

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