



# 10

**SECTION 10**  
**DIABETES**

## Diabetes

Diabetes controls are crucial in diagnostics for ensuring the accuracy and reliability of tests that measure blood glucose levels and other related biomarkers, enabling timely diagnosis, effective monitoring of glycaemic control, and informed treatment decisions to manage diabetes and prevent complications.

The Fortress Diabetes Controls are lyophilised for enhanced stability, and are ideal for both clinical and research use. The controls are supplied with instrument and method specific assigned values.



Lyophilised



Liquid Frozen



Liquid Stable



100% Human Serum



Assayed Target Values Provided

### Fructosamine Controls & Calibrators



- Values are assigned using both in house and reference laboratory values.
- 100% Human Serum designed for matrix conformity.
- Lyophilised Controls and Calibrators stable to expiry at 2-8 °C.
- Reconstituted stability of 28 days at -20 °C.

Description	Size	Cat No.	Type
Fructosamine Calibrator	1 x 1 ml	BXC0592A	LS
Fructosamine Control (Level 1)	<i>low</i> 3 x 1 ml	BXC0593A	LS
Fructosamine Control (Level 2)	<i>high</i> 3 x 1 ml	BXC0594A	LS

### HbA1c Calibrators



- 100% human blood designed for matrix conformity.
- The Calibrator is supplied in a Lyophilised format with a 2 year shelf life when stored at 2-8 °C.
- Reconstituted stability of 5 days at 2-8 °C.
- HbA1c Calibrator Set: Typical levels:  
HbA1c Calibrator Level 1: 5-6%  
HbA1c Calibrator Level 2: 11-13%
- Do not freeze.

Description	Size	Cat No.	Type
HbA1c Calibrator Series	<i>For use with BXC0670</i> 2 x 1 x 0.5 ml	BXC0668A	Lyo.
HbA1c Calibrator Set (2 Levels)	2 x 1 x 0.5 ml	BXC0678A	Lyo.
HbA1c (HPLC) Calibrator Set (2 Levels)	<i>For HPLC Method Only</i> 2 x 1 x 0.25 ml	BXC0780A	Lyo.

### HbA1c Controls



- Controls are supplied in a Lyophilised format stable to expiry at 2-8 °C.
- The controls are value assigned in European Reference Laboratories.
- The Control carries values for methods such as Immunoturbidimetry, Micro-column, HPLC and Enzymatic HbA1c & point of care devices.
- Values are provided for both NGSP DCCT and IFCC methodologies.

Description	Size	Cat No.	Type
HbA1c (HPLC) Control Set (2 Levels)	<i>For HPLC Method Only</i> 2 x 1 x 0.5 ml	BXC0779A	Lyo.
HbA1c Control High	2 x 0.5 ml	BXC0677A	Lyo.
HbA1c Control Low	2 x 0.5 ml	BXC0676A	Lyo.
HbA1c Control Set	2 x 2 x 0.5 ml	BXC0675A	Lyo.
HbA1c Control Set (2 Levels)	<i>For use with BXC0670</i> 2 x 1 x 0.5 ml	BXC0669A	Lyo.

### Thalassaemia (Alpha & Beta) Control



For use on all major systems and methods including HPLC, Immunoassay, HbA2, HbF, HbS.

- Designed for monitoring accuracy and precision of Haemoglobin Variants measurements associated with Thalassaemia.
- The controls are supplied in a Lyophilised format stable up to expiry at 2-8 °C.
- 100% Human blood.

Description	Size	Cat No.	Type
Thalassaemia (Alpha & Beta) Control (Level 1)	2 x 0.5 ml	BXC0665A	Lyo.
Thalassaemia (Alpha & Beta) Control (Level 2)	2 x 0.5 ml	BXC0665B	Lyo.