



# 21

SECTION 21

**THALASSAEMIA**

## Thalassaemia Controls

Thalassaemia controls are essential in diagnostics for accurately detecting and managing thalassaemia, a group of inherited blood disorders characterised by abnormal hemoglobin production. These controls consist of standardised samples with known hemoglobin patterns and genetic markers, utilised to validate the performance of diagnostic assays such as hemoglobin electrophoresis and molecular testing. By incorporating these controls, laboratories can ensure the reliability and accuracy of test results, facilitating early diagnosis and appropriate management of thalassaemia to prevent complications like anemia and organ damage.

Additionally, thalassaemia controls play a crucial role in maintaining quality assurance within laboratory testing processes, ensuring that results are consistent and reproducible across different assays and platforms. Reliable diagnostics are critical for guiding treatment decisions, including the need for blood transfusions or iron chelation therapy, and for providing informed family planning options for affected individuals. Regular use of these controls helps identify any potential issues with reagents or instruments, ultimately supporting effective patient management and enhancing health outcomes for those with thalassaemia and their families.

The Fortress Thalassaemia Controls are designed to monitor the accuracy and precision of haemoglobin variant measurements associated with thalassaemia.



Lyophilised



Liquid  
Frozen



Liquid  
Stable



100% Human  
Serum



Assayed Target  
Values Provided

### Thalassaemia Controls



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

#### Analytes

		Heamoglobin F	HPLC Haemoglobin A2	Haemoglobin S	
Description	Details	Size	Cat No.	Type	
Thalassaemia (Alpha & Beta) Control (Level 1)	For use on all major systems & Methods including HPLC & Immunoassay , HbA2, HbF, HbS	2 x 0.5ml	BXC0665A	LS.	
Thalassaemia (Alpha & Beta) Control (Level 2)	For use on all major systems & Methods including HPLC & Immunoassay , HbA2, HbF, HbS	2 x 0.5ml	BXC0665B	LS.	
HbA2 Control Set	HPLC Haemoglobin A2, Haemoglobin F, Haemoglobin S (HPLC SYSTEMS)	2 x 2 x 0.5ml	BXC0778A	LS.	