

QUICKBLU® TMB SUBSTRATE



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Onestep Laboratories' QuickBlu® TMB substrates are a line of stable, single component, liquid solutions used for the detection of horseradish peroxidase (HRP) in ELISA. QuickBlu® TMB substrates rapidly produce a blue reaction product which can be read at 650 nm, or more accurately at 450 nm when an acidic stopping buffer is added, turning the solution yellow. The substrates are stable for up to 4 years at 2-8°C. QuickBlu® TMB is available as Ready-to-Use, and can also be concentrated up to 10 times for ease of transportation. The US patented QuickBlu® concentrate allows for simple adjustments of the sensitivity of TMB solutions.

FEATURES

Reliability

Provides stable and consistent results
Long Shelf Life
Can be stored up to 4 years at 2-8°C
Cost Effective
Aims to keep your costs down
Transportation
Up to 10 times concentrated

US Patent No. 9714939



ABOUT US

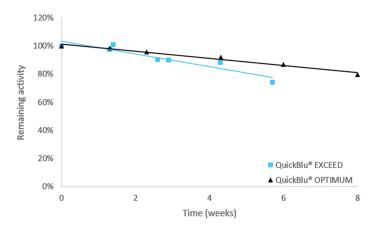
Onestep Laboratories Inc. is a Canadian-based biotechnology company specializing in the development and manufacturing of reagents for immunoassays. Onestep Laboratories Inc. is particularly dedicated to the production of QuickBlu® single component TMB substrates for ELISA. At Onestep Laboratories Inc., we produce a wide variety of TMB substrates for different immunoassay needs.

STABILITY

QuickBlu® TMB substrates demonstrate exceptional stability, with a signal decrease rate of less than 20% within 6 and 8 weeks at 37°C for QuickBlu® EXCEED and OPTIMUM respectively.

TMB substrates were placed in an incubator at 37°C and the remaining activity was measured at 450 nm.

Stability - QuickBlu® EXCEED and OPTIMUM

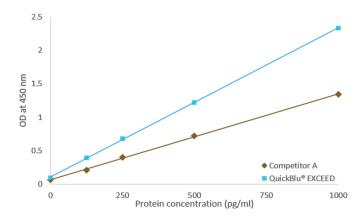


SENSITIVITY

QuickBlu® EXCEED possess excellent sensitivity and low background as compared to other leading TMB substrate products.

QuickBlu* EXCEED was compared to Competitor A's TMB substrate. The experiments were conducted by a US biotechology company, and was replicated multiple times.

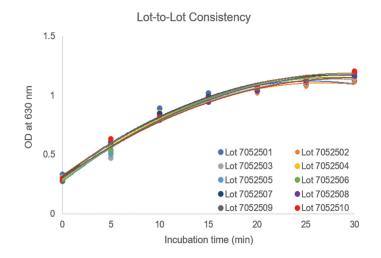
Sensitivity - QuickBlu® EXCEED and Competitor A



CONSISTENCY

QuickBlu® TMB substrates are manufactured under conditions that provide less than 5% variation among production lots and ensuring quality performance.

An HRP standard was added to microwell plates and 10 different lots of TMB substrate was added. OD was measured every 5 minutes at 630 nm.



PRODUCT LIST

TMB Substrates

QuickBlu® TMB EXTEND Substrate	
100 mL	7301
1 L	7310
QuickBlu® TMB OPTIMUM Substrate	
100 mL	7201
1 L	7210
QuickBlu® TMB EXCEED Substrate	
100 mL	7101
1 L	
TMB Concentrate	
100 mL	7001
ELISA Buffers	
Plate Coating Buffer	
1 L	6210
	6510
Blocking Buffer	CE 1.0
1 L	6510
Washing Buffer	



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