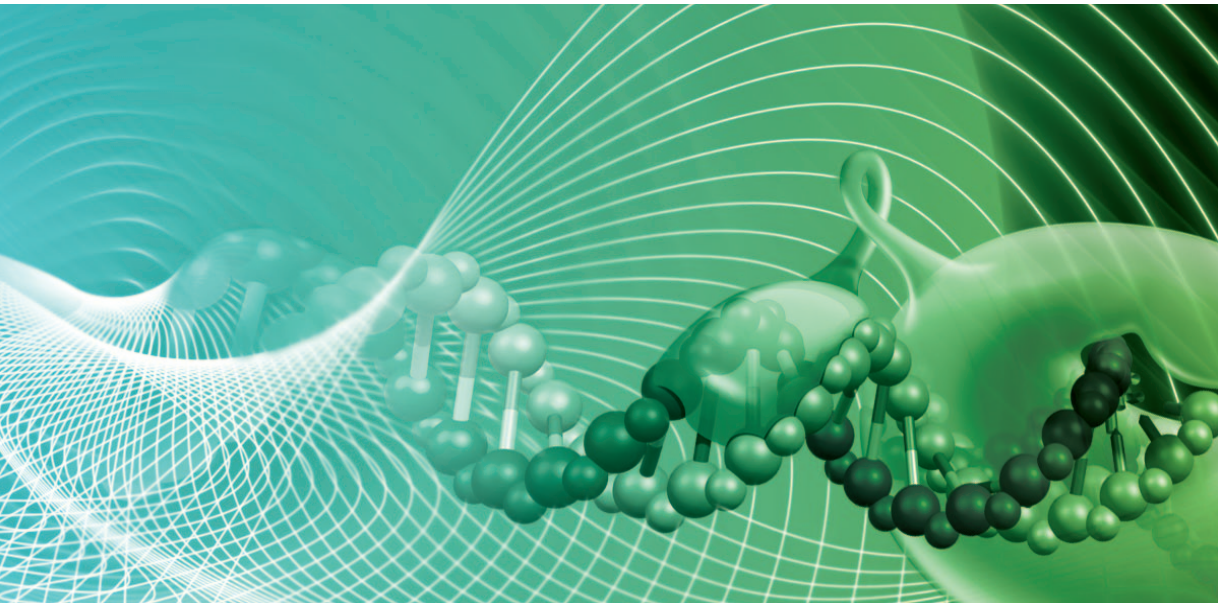


SsoFast™ EvaGreen® Supermix

Bio-Rad introduces its next generation of real-time PCR supermixes using our patented* Sso7d fusion protein technology, delivering a reagent that provides superior qPCR performance in a variety of applications.

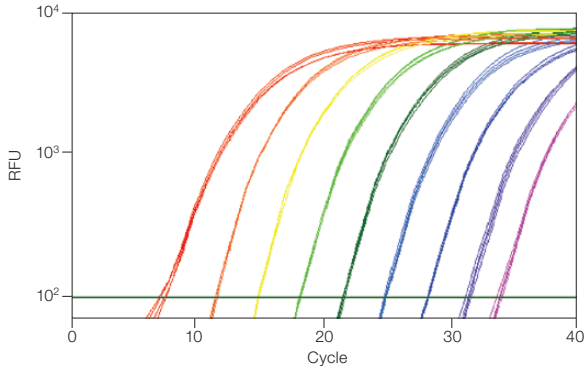
- Unique Sso7d fusion polymerase and optimized buffer deliver unrivaled speed, performance, and tolerance to many common PCR inhibitors
- Minimal PCR inhibition by EvaGreen ensures maximum efficiency, sensitivity, and reproducibility, while generating higher fluorescence compared to SYBR® Green
- Instant polymerase activation and rapid polymerization kinetics for fast qPCR results in less than 30 minutes

For more information, visit us on the Web at **www.bio-rad.com/supermixes**.

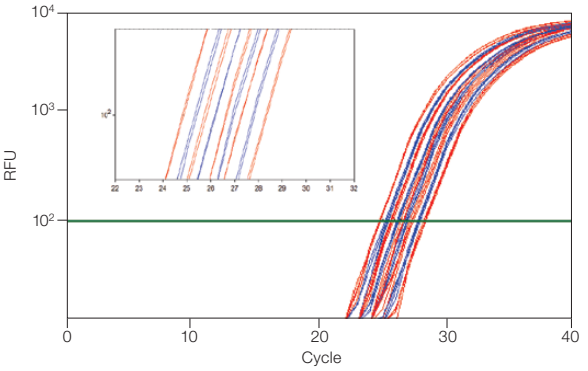
BIO-RAD

SsoFast EvaGreen Supermix

SsoFast EvaGreen supermix is the first member of Bio-Rad's next-generation family of high-performance, real-time PCR reagents. This supermix uses patented* Sso7d fusion protein technology to deliver excellent performance in a wide range of qPCR applications. By combining a novel engineered hot-start fusion polymerase with optimized buffer and EvaGreen dye, robust qPCR results can be generated in less time and with increased reliability and sensitivity.



The unique fusion polymerase in SsoFast EvaGreen supermix delivers extreme speed and generates exceptional qPCR results in less than 30 min. Tenfold serial dilutions of 10 ng to 100 ag of cDNA from human spleen were used in each 20 µl reaction to detect 18S rRNA. 18S rRNA efficiency = 101.8%, r = 0.997. **Total qPCR run time = 29 min.** RFU, relative fluorescence units.

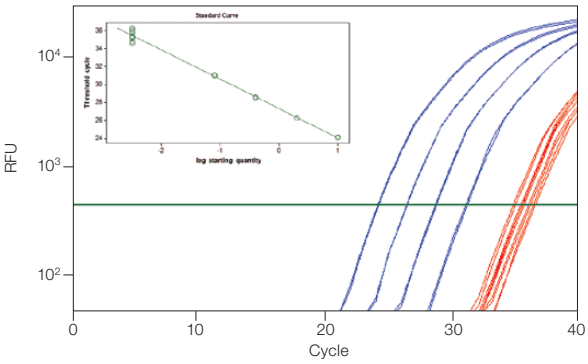


Exceptional reproducibility can be achieved with SsoFast EvaGreen supermix. Efficient discrimination and reliable quantification can be obtained from 1.33-fold serial dilutions of input template. The *CBP* gene was amplified from varying amounts of human genomic DNA (5 ng to 500 pg). From left to right: (■) 5 ng, 2.83 ng, 1.60 ng, 903 pg, and 511 pg; (■) 3.76 ng, 2.13 ng, 1.20 ng, and 679 pg. *CBP* efficiency = 96.5%, r = 0.996. Insert is a magnified view showing robust discrimination and reproducible amplification. RFU, relative fluorescence units.

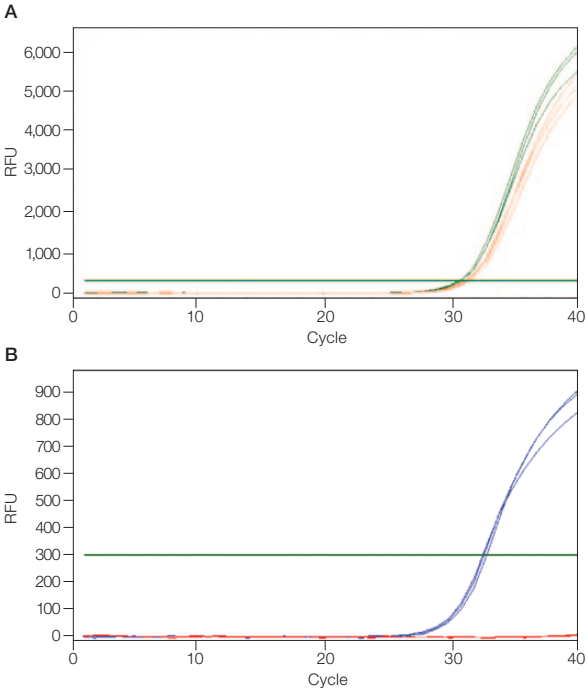
* U.S. patents 6,627,424; 7,541,170; and 7,560,260.

Ordering Information

Catalog #	Description
172-5200	**SsoFast EvaGreen Supermix**, 200 x 20 µl reactions, 2x mix contains dNTPs, Sso7d fusion polymerase, $MgCl_2$, EvaGreen dye, stabilizers
172-5201	**SsoFast EvaGreen Supermix**, 500 x 20 µl
172-5202	**SsoFast EvaGreen Supermix**, 1,000 x 20 µl
172-5203	**SsoFast EvaGreen Supermix**, 20 ml bottle, 2,000 x 20 µl



SsoFast EvaGreen supermix provides extreme sensitivity in detection of a single copy of target gene. The *ZAP70* gene was amplified and detected from 5-fold serial dilutions of 10 ng to 80 pg (■) and 3.2 pg (■) of human genomic DNA. *ZAP70* efficiency = 102.7%, r = 0.991. Insert shows the standard curve for the various dilutions. RFU, relative fluorescence units.



SsoFast EvaGreen supermix demonstrates superior inhibitor tolerance and direct qPCR capability from cell culture. A, efficient amplification and detection of a spike-in control template in the absence (■) or presence (■) of conditioned tissue culture medium using SsoFast EvaGreen supermix; **B**, competitor's standard qPCR reagent is able to amplify the spike-in control template only in the absence (■) vs. presence (■) of culture medium. RFU, relative fluorescence units.

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