

# Squalene Synthase (SQS) Activity Colorimetric Assay Kit



SQUALENE SYNTHASE (SQS) IS THE PIVOTAL ENZYME CONVERTING FARNESYL PYROPHOSPHATE (FPP) TO SQUALENE—A PRIZED COMPOUND WITH ANTI-AGING,ANTIOXIDANT, AND SKIN-NOURISHING BENEFITS. AS DEMAND GROWS, OPTIMIZING PRODUCTION VIA PLANT EXTRACTION AND MICROBIAL FERMENTATION RELIES ON PRECISE SQS ACTIVITY MONITORING.ELABSCIENCE® INTRODUCES OUR SQUALENE SYNTHASE (SQS) ACTIVITY COLORIMETRIC ASSAY KIT (E-BC-K794-M) LEVERAGING MICRO-PLATE TECHNOLOGY FOR HIGH-SENSITIVITY SIVITY DETECTION IN SERUM, TISSUES, AND LYSATES. A UNIFIED SOLUTION DELIVERING UNMATCHED ACCURACY AND ADAPTABILITY FOR STREAMLINED WORKFLOWS.



## Detection Principle

MEASURES COFACTOR ABSORBANCE AT 340 NM - CONSUMPTION RATE DIRECTLY CORRELATES WITH SQS ACTIVITY, ENABLING PRECISE ENZYME ACTIVITY CALCULATION.



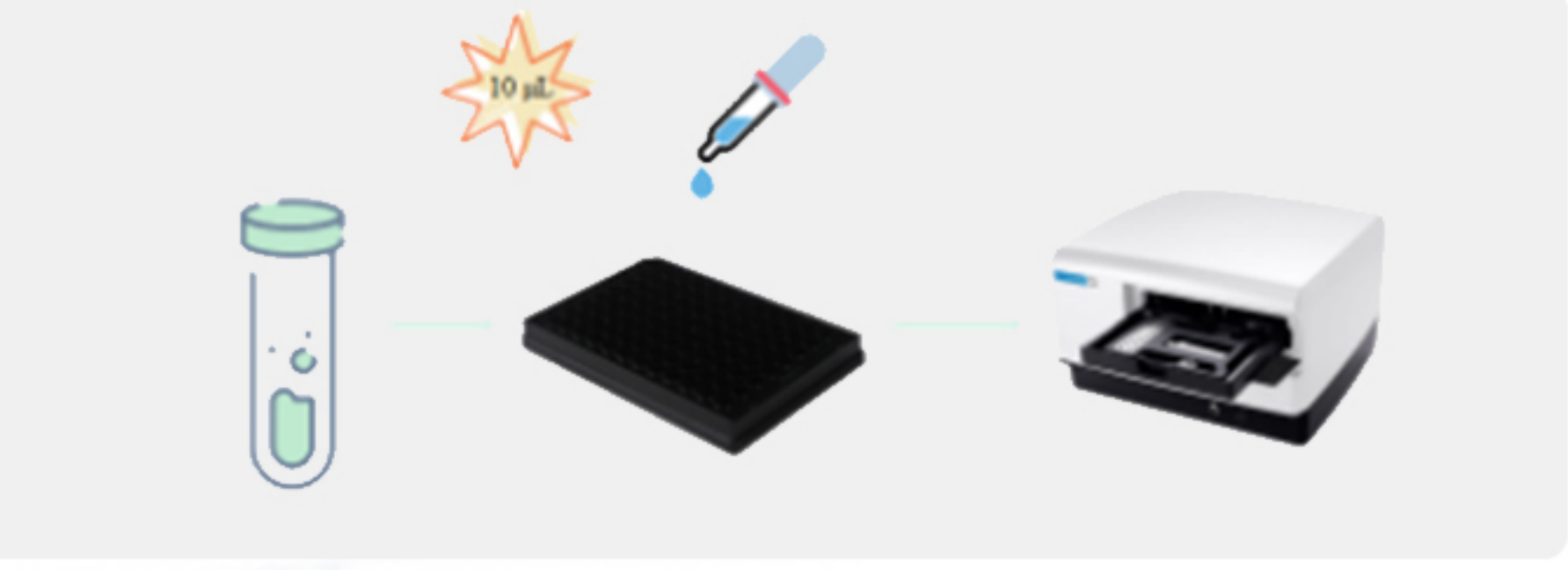
## Product Advantages



ULTRA-LOW SAMPLE INPUT

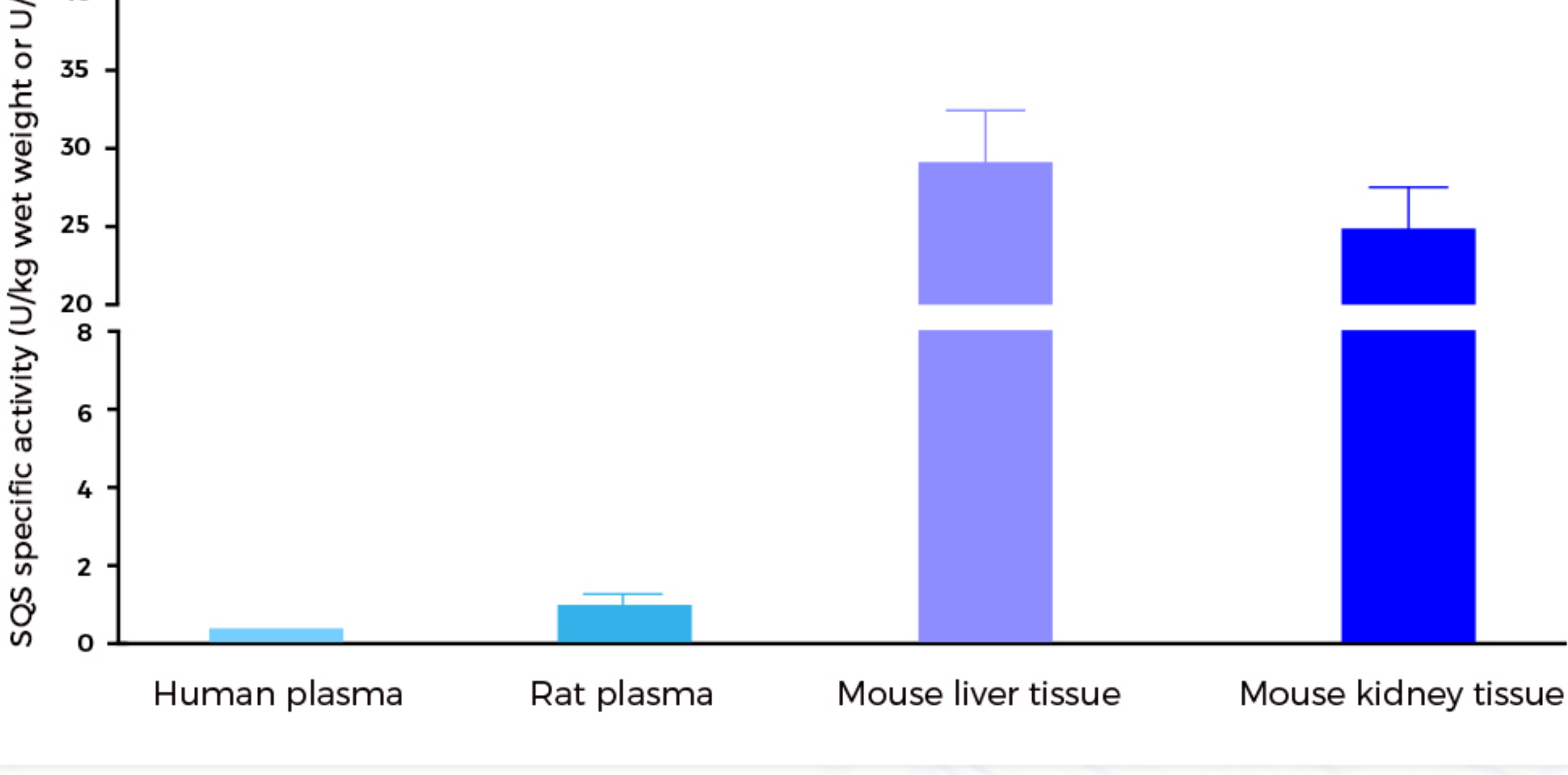
10  $\mu$ L

Only 10  $\mu$ L per reaction



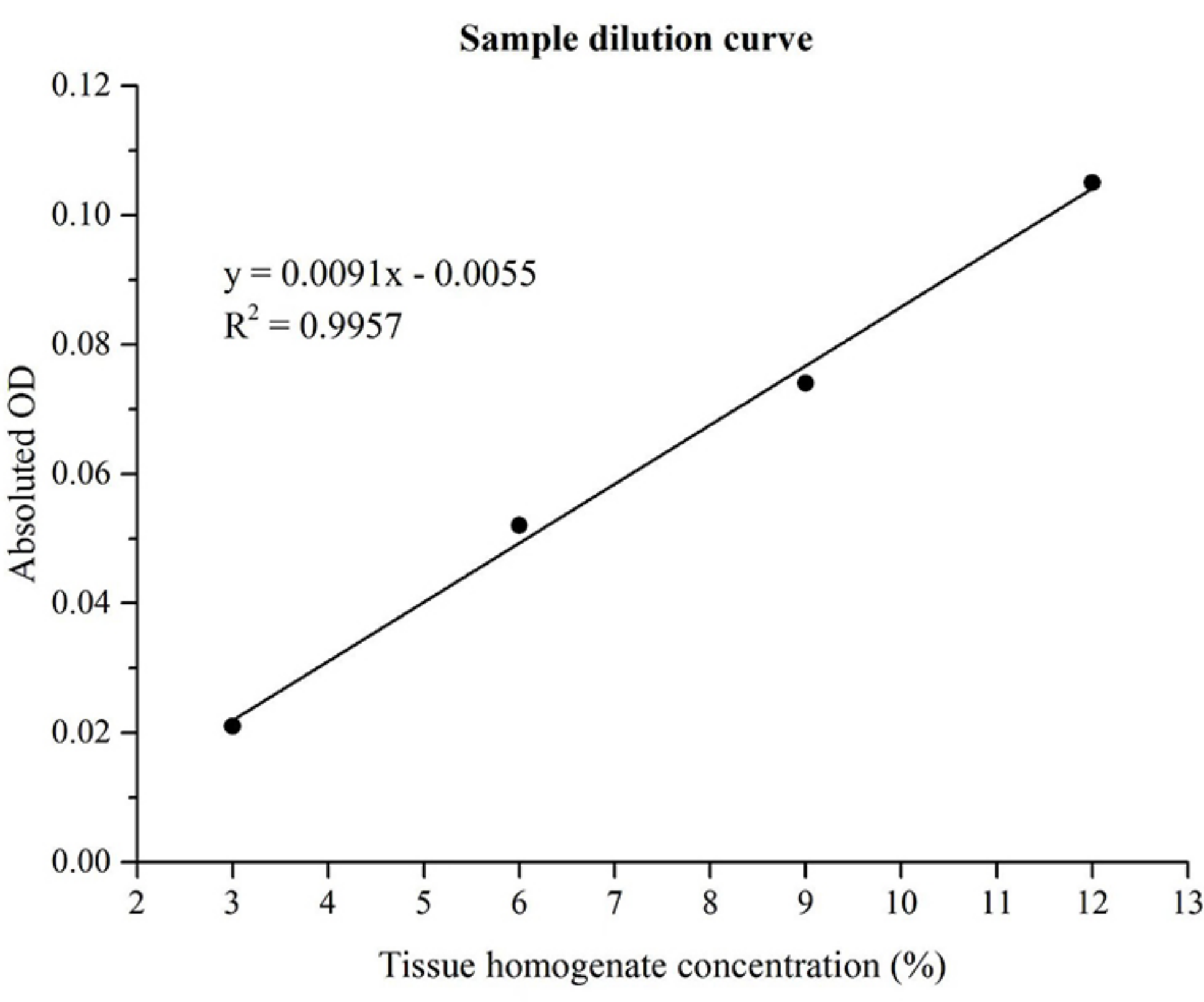
APPLICABLE SAMPLE TYPES

SERUM, PLASMA, CELLS AND ANIMAL TISSUE



HIGH ACCURACY

LINEAR ACROSS DILUTIONS, EXCEPTIONAL RECOVERY



## Key Applications

**Skin Care Products Industry**  
Ensure squalene purity and active content for premium formulations.  
Test squalene's stability, permeability and antioxidant power in skin care.

**Food and Health Products**  
Measure oil quality and nutritional value with precision.

Verify the effectiveness of health products using squalene analysis.

**Metabolic Research**  
Explore lipid regulation and microbial biosynthesis pathways.

**Quality Control**  
Monitor production processes in real-time.

**Industrial Biotech**  
High-precision monitoring of squalene yield in the fermentation process.

**Drug Discovery**  
Develop cholesterol-lowering therapeutics.

## Product Details

Target	Cat. No.	Product Name	Detection Instruments
SQS	E-BC-K794-M	Squalene Synthase (SQS) Activity Colorimetric Assay Kit	Microplate reader



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If you need any other products for cosmetics testing, please scan the QR code.