

CERTIFICATE OF ANALYSIS

PRODUCT NAME: BIALEX LIPASE KINETIC

LOT: 25LK0901

EXP. DATE: 2027.07.30

BATCH QTY: 60 KITS

MFGDT: 2025.08.29 - 2027.09.12

REF. # GQ-LK-60

Physical Inspection:

Labels: Pass

QR Code: Pass

HPDE Bottle: Pass

Vial: Pass

Box: Pass

Performance Characteristics:

Reagent Lipase:

Aspect: Liquid Trans-lucid, non visible particles with surfactant

Blank @340nm (against water) = 0.010

Reagent Stress: Pass

Control used:

Lyphocheck Bio-Rad (LOT 89740) <https://myeinserts-app.qcnet.com/home>

PassCheck Bialex (LOT 25PCK0141, 24PCK0141) <https://platinum.bialexlab.com/files>

Kinetic studies of lipase-catalyzed reactions present unique challenges. Lipases, acting on large, complex substrates, exhibit reaction rates highly sensitive to temperature fluctuations. Furthermore, the detection of accurate reaction rates can be limited by the sensitivity of the analytical instrumentation. In this study, we addressed these considerations by employing turbidimetry-kinetic with suspended microparticles to measure reaction rates at specific time points, acknowledging the potential for instrument-specific variations

Read time: 180s // Interval Time of reader each 60s // Lag time 60s

C2 Biorad 105 (106.30) U/L (n=10)

C1 Biorad 63.7 (59.10) U/L (n=10)

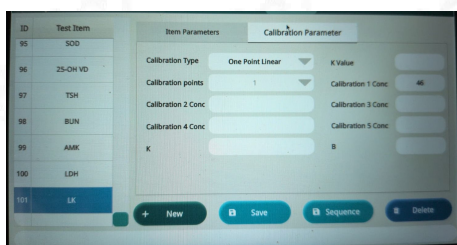
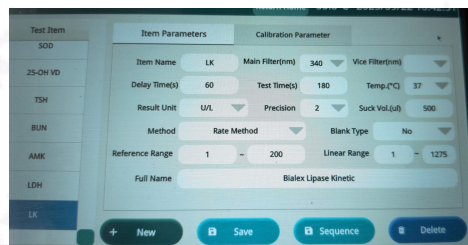
C1 PassCheck: 60 (57) U/L

C2 PassCheck: 100 (103.15) U/L

Cal Value (REF:GQ-CAL-5): 46U/L (LOT:24CAL0701)

Linearity: up 1300U/L

Illustrative example of the functional application of the Chemsense 3000R semi-automatic analytical instrument.



Conclusion: Released

