



K-Gold[®] Plus

Introduction

K-Gold[®] Plus is an innovative one-bottle PNPP substrate that offers excellent activity and signal-to-background ratio compared to other PNPP substrates. K-Gold Plus offers approximately 30–40% rate enhancement compared to our original K-Gold substrate — this corresponds to an average increase in signal-to-background of approximately 64% for K-Gold Plus.

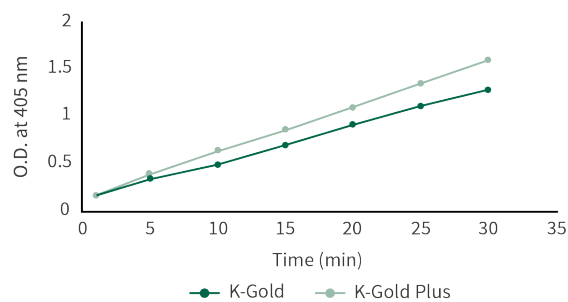
NEOGEN[®]'s ISO 9001 certified quality management system ensures that we use high-quality development and manufacturing processes for all of our substrate formulas. NEOGEN consistently provides large diagnostic kit manufacturers high performance substrates following the ISO quality standard.

K-Gold Plus Offers:

- Improved performance and activity
- Ready-to-use, one-bottle formula
- 24-month shelf life when stored at 2–8°C
- Contains no hazardous components and requires no hazardous labeling

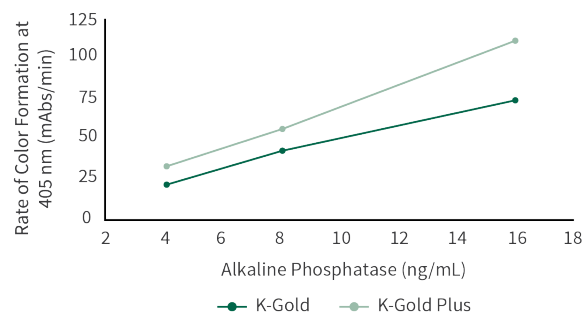
Performance Comparison

Improved Activity and Sensitivity



Five microliters of calf-intestinal alkaline phosphatase (AP) + 95 microliters of substrate per well. OD read at 405 nm over 30 minutes.

Linearity of Response

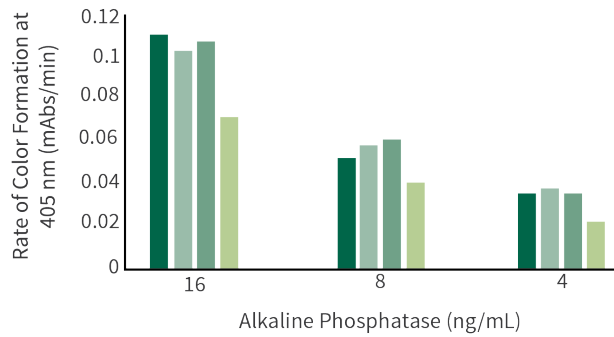


Five microliters of calf-intestinal alkaline phosphatase (AP) diluted in AP conjugate stabilizer was added to a standard flat bottom 96-well microtiter plate and ninety five microliters of substrate was added. Rate was measured every fifteen seconds for 30 minutes.





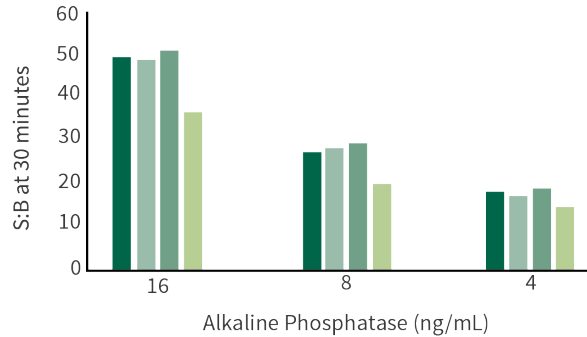
Performance Comparison
Activity Comparison



■ K-Gold Plus, 190605A ■ K-Gold Plus, 190605C
■ K-Gold Plus, 190605B ■ K-Gold, 181101

K-Gold Plus shows an average rate enhancement of 38%.

Signal-to-Background (S:B) Comparison



■ K-Gold Plus, 190605A ■ K-Gold Plus, 190605C
■ K-Gold Plus, 190605B ■ K-Gold, 181101

K-Gold Plus shows an average increase for S:B ratio of 64%.

Ordering Information

| Product | Shelf Life | Features | Available Sizes | Product Number |
|--------------------|---------------------------------|---|-----------------|----------------|
| K-Gold Plus | 24 months when stored at 2–8°C. | Improved activity RTU (Ready-to-use) Low Background | 200 mL | 339175 |
| | | | 500 mL | 339176 |
| | | | 1 L | 339177 |
| | | | 20 L (1 x 20 L) | 339257 |
| K-Gold | 30 months when stored at 2–8°C. | High Activity RTU (Ready-to-use) Low Background | 200 mL | 303175 |
| | | | 500 mL | 303176 |
| | | | 1 L | 303177 |
| | | | 20 L (1 x 20 L) | 303257 |

Call 800.477.8201 to order or visit NEOGEN.com

