The Bacterial Counting Colorimetric Assay Kit (ab284554) (K511) is a simple and sensitive assay to quantify bacterial concentration and viability. The assay is based on the cleavage of a water-soluble tetrazolium salt (WST) to formazan by dehydrogenases. The colour produced is directly proportional to the number of viable bacteria and can be quantified using a microplate reader (OD 460 nm). The assay is sensitive and can detect the growth of low-density cultures starting less than 10 bacteria per well at the time of adding the reagent. The assay can also be used to count the number of living bacteria in a broth culture or to study bacterial viability in response to inhibitors, types of media, antibiotics, growth and heterologous protein overexpression conditions.

This product is manufactured by BioVision, an Abcam company and was previously called K511 Bacterial Counting Colorimetric Assay Kit. K511-2500 is the same size as the 2500 test size of ab284554.

Microplate (12 x 8 well strips)

Electrocoupling Solution (ECS)
- Identifier: NM
- 2500 tests: 1 x 25ml
- 500 tests: 1 x 5ml

WST Reagent (lyophilized)
- Identifier: Green
- 2500 tests: 1 vial
- 500 tests: 1 vial
Effect of time on E.coli growth. Density of bacteria as determined by time to yield change at OD 460 nm during 8 hr incubation at 37°C.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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