

Bacterial Counting Colorimetric Assay Kit

Cat. No. Kit-2263 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Bacteria Counting Colorimetric Assay Kit 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 mitochondrial dehydrogenases. The color produced is directly proportional to the number of viable bacteria and can be quantified using a microplate reader (Absorbance OD 460 nm). The assay is sensitive and can detect the growth of low density cultures starting with as few as 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, media types, antibiotics, growth and heterologous protein overexpression conditions.
Applications	The assay is a simple method to quantify bacteria concentration and viability. Can detect bacterial growth as few as 10 bacteria per sample.
Storage	-20°C
Shipping	Gel Pack
Kit Components	Electrocoupling Solution (ECS); WST Reagent (lyophilized)
Target Species	Bacteria
Detection method	Absorbance (460 nm)
Features & Benefits	Simple procedure; takes less than ~90 minutes; Fast and convenient

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