

Reducing Sugar (RS) Assay Kit | RS assay kit

Reducing Sugar (RS) Assay Kit (Colorimetric)

CATALOG #
AAA31547

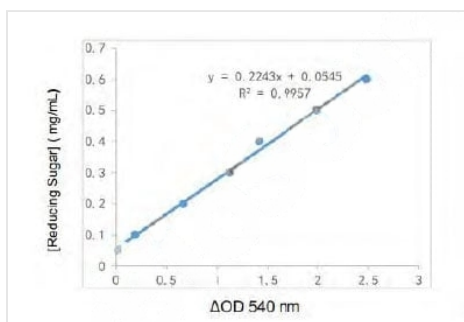
PRODUCT SYNONYMS

Reducing Sugar (RS); Reducing Sugar (RS) Assay Kit (Colorimetric); RS assay kit

PRODUCT SPECIFICATIONS

Samples	Plant Tissues, Animal Tissues, Cells, Bacteria, Serum, Plasma
Detection Range	0.05-0.6 mg/mL
Sensitivity	0.025 mg/mL
Usage Notes	Do not mix the components between different batch numbers and manufacturers, otherwise, the results may be abnormal. Avoid bubbles while mixing or redissolving components. Change pipette tips frequently to avoid cross contamination between components. Ensure that all components and equipment are at the appropriate temperature before to use. In order to guarantee the accuracy of experimental results, need to do a pre-experiment with 1-2 samples. If the sample value is higher than the maximum standard value, please further dilute the sample with distilled water. Pay attention to multiply by the dilution factor when calculating the result. DNS reagent is toxic. Please take protective measures when operating.
Preparation and Storage	The kit is valid for 12 months. Please refer to the table below Materials supplied and Storage conditions to store all the components. Shipping Gel pack with blue ice.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RS assay kit

Principle of the Assay: Reduction Sugars (RS) are widely in animals, plants, microorganisms and cultured cells. The RS in plants mainly include glucose, fructose and maltose. Glucose and fructose are not only the main substrates of respiration, but also the substrate for further synthesis of sucrose, starch and cellulose. CheKine™ Micro Reduction Sugar (RS) Assay kit can detect the RS concentration from liquid samples, such as animal and plant tissues homogenate, bacteria, cells and serum (plasma). The principle of kit is that 3,5-dinitrosalicylic acid can be reduced to brown-red amino compounds by RS in alkaline solution. There is a characteristic absorption peak 540 nm. In a certain concentration range, the RS content is linearly related to the absorbance of 540 nm. According to the standard curve, the RS content in the sample can be calculated.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/assay-kits/reducing-sugar-rs/31547>