



Glucose Content Assay kit (o-Toluidine Colorimetry)

Glucose is not only the main substrate for cellular energy metabolism, but also its metabolic intermediates are important substrates for biosynthesis. In the case of mammals, glucose is not only the only energy source for the nervous system of the brain, muscles, adipose tissue, etc, but also is closely related to the synthesis of reducing coenzymes, lactose and milk fat. When glucose and o-toluidine are heated in a strong acid solution, the aldehyde group of glucose condenses with o-toluidine to form glucosylamine, which dehydrates to form Schiff base, which is blue-green in color with an absorption peak at 630nm. The kit is suitable for the determination of animal tissue, serum (plasma) and cell (bacterial) samples

Catalog No.	250587
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs