

## Glucose Content Assay kit (o-Toluidine Colorimetry)

Glucose is not only the main substrate for cellular energy metabolism, but alsoits metabolicintermediates are important substrates for biosynthesis. In the case of mammals, glucose is not onlytheonly energy source for the nervous system of the brain, muscles, adipose tissue, etc, but alsoiscloselyrelated to the synthesis of reducing coenzymes, lactose and milk fat. When glucose and o-toluidine are heated in a strong acid solution, the aldehyde groupof glucosecondenses with o-toluidine to form glucosylamine, which dehydrates to formSchiff base, whichisblue-green in color with an absorption peak at 630nm. The kit is suitable for the determinationofanimal 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

www.realgenelabs.com

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