

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Rat Glycated Hemoglobin A1c (HbA1c) ELISA Kit BYT-ORB1994914

Article Name	Rat Glycated Hemoglobin A1c (HbA1c) ELISA Kit
Biozol Catalog Number	BYT-ORB1994914
Supplier Catalog Number	orb1994914
Alternative Catalog Number	BYT-ORB1994914-48, BYT-ORB1994914-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	Rat
Product Description	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat HbA1c. Standards or samples are added to the appropriate microtiter plate wells then...
Concentration	1000 µg/mL
Range	15.63-1000 µg/mL
Sensitivity	4.25 µg/mL
Samples	plasma and erythrocyte lysates

Application Notes

Application Notes: standard: 1000 µg/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat HbA1c. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat HbA1c. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat HbA1c, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Rat HbA1c in the samples is then determined by comparing the OD of the samples to the standard curve