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## Product Datasheet

### Rat Lipopolysaccharide (LPS) ELISA Kit BYT-ORB782514

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|----------------------------|---|
| Article Name               | Rat Lipopolysaccharide (LPS) ELISA Kit  |
| Biozol Catalog Number      | BYT-ORB782514   |
| Supplier Catalog Number    | orb782514   |
| Alternative Catalog Number | BYT-ORB782514-48, BYT-ORB782514-96  |
| Manufacturer               | Biorbyt   |
| Category                   | Kits/Assays   |
| Application                | ELISA   |
| 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 Lipopolysaccharide(LPS).... |
| Concentration              | 10 ng/mL  |
| Range                      | 0.16-10 ng/mL   |
| Sensitivity                | 0.053 ng/mL   |
| Samples                    | serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids  |

Application Notes

Application Notes: standard: 10 ng/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 LPS. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat LPS. 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 LPS, 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 LPS in the samples is then determined by comparing the OD of the samples to the standard curve