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## Product Datasheet

### General 4-Hydroxynonenal (4-HNE) ELISA Kit BYT-ORB1806568

|                            |                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------|
| Article Name               | General 4-Hydroxynonenal (4-HNE) ELISA Kit                                                           |
| Biozol Catalog Number      | BYT-ORB1806568                                                                                       |
| Supplier Catalog Number    | orb1806568                                                                                           |
| Alternative Catalog Number | BYT-ORB1806568-48,BYT-ORB1806568-96                                                                  |
| Manufacturer               | Biorbyt                                                                                              |
| Category                   | Kits/Assays                                                                                          |
| Species Reactivity         | All                                                                                                  |
| Product Description        | General 4-Hydroxynonenal (4-HNE) ELISA Kit...                                                        |
| Range                      | 0.63-40ng/mL                                                                                         |
| Sensitivity                | 0.38 ng/mL                                                                                           |
| Samples                    | serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids |
| Target                     | 4-HNE                                                                                                |

Application Notes

Application Notes: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 4-Hydroxynonenal(4-HNE) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 4-Hydroxynonenal(4-HNE). Next,Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 4-Hydroxynonenal(4-HNE) in the samples is then determined by comparing the OD of the samples to the standard curve