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## Product Datasheet

### UTP - Solution, CAS [[19817-92-6]] BYT-ORB63225

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Article Name               | UTP - Solution, CAS [[19817-92-6]]                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biozol Catalog Number      | BYT-ORB63225                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supplier Catalog Number    | orb63225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Catalog Number | BYT-ORB63225-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Manufacturer               | Biorbyt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Category                   | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Description        | Ultrapure UTP supplied as clear aqueous solution....                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration              | 100 mM 2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Molecular Weight           | Theoretical MW: 484.14 g/mol (free acid)                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity                     | 99% (HPLC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form                       | clear aqueous solution, pH: 8.0 0.2 (22 C)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CAS Number                 | [19817-92-6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Formula                    | C <sub>9</sub> H <sub>15</sub> N <sub>2</sub> O <sub>15</sub> P <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Application Notes          | Application Notes: Activation of purinergic receptors, Cardioprotection against hypoxic damage, Enzyme kinetic parameters, Phosphorylation of EGF-receptor via purinergic receptors, Stimulation of neurogenesis and dopaminergic neurons. Spectroscopic Propertie: $\lambda_{\text{max}}$ 262 nm, $\epsilon$ 9.8 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl, pH 7.0). Specific Ligands: Enterovirus 71 3D RNA polymerase, Ligand for purinergic receptors: P2X1, P2Y2, P2Y4, P2Y6 |