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| Product: | GLUCOSE OXIDASE | | |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------|
| Product code: | GO3B3 | | |
| E.C. number: | 1.1.3.4 | | |
| CAS number: | 9001-37-0 | | |
| EINECS number: | 232-601-0 | | |
| Systematic name: | β-D-Glucose:oxygen 1-oxidoreductase | | |
| Alternative name: | Glucose oxyhydrase | | |
| Source: | Aspergillus niger | | |
| Form: | A freeze-dried material | | |
| Storage conditions: | Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below. | | |
| Unit definition: | That amount of enzyme causing the oxidation of one micromole of glucose per minute at 25°C and pH 7.0. | | |
| Activity: | Not less than 324 U/mg protein (approximately 280 U/mg material). | | |
| Solubility: | Dissolves readily at 5mg/ml in 0.1M potassium phosphate buffer, pH 7.0, to give a clear, yellow solution. | | |
| Contaminants: | Specification | GO/CAT ratio: greater than 5,000 | |
| | Typical Values | Not reported on α-amylase Saccharase Maltase | CoA less than 0.05% less than 0.5% less than 0.05% |

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