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| Product: | GLUCOSE OXIDASE |
| Product code: | GO3A |
| 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: | <i>Aspergillus niger</i> |
| 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: | Of the order of 360 U/mg protein (324-396 U/mg protein, approximately 270 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: | α -amylase: less than 0.05% Saccharase: less than 0.05% Maltase: less than 0.05% GO/Cat: greater than 2,000 |