

Product Specification

Product Name: G6PDH recombinant ≥ 200 U/mg

Glycose-6-Phosphate Dehydrogenase

Item Nr.: 1303

MW: 140000 g/mol

CAS Nr.: 9001-40-5

E.C.Nr.: 1.1.1.49

EINECS: 232-602-6

| Parameter | Method | Specification | Unit |
|---------------------|---|--------------------------|------|
| Appearance | visual | White lyophilized powder | |
| Solubility | 1% in 0.055M Tris/HCl | soluble | |
| Clarity of solution | Nephelometry | 0 | NTU |
| Coloration of sol. | Gardner | 1 | |
| Activity | U/mg enzyme = ($\Delta A_{340}/\text{min}$)/(6.22xmg enzyme/mL reaction mixture) | >200 | U/mg |
| Contaminants | 6-phosphogluconate dehydrogenase | 5×10^{-3} | % |
| Contaminants | Creatine phosphokinase | 1×10^{-3} | % |
| Contaminants | Glutathione reductase | 1×10^{-3} | % |
| Contaminants | Hexokinase | 1×10^{-2} | % |
| Contaminants | Myokinase | 1×10^{-2} | % |
| Contaminants | NADH oxidase | 1×10^{-2} | % |
| Contaminants | NADPH oxidase | 1×10^{-2} | % |
| Contaminants | Phosphoglucomutase | 1×10^{-3} | % |
| Contaminants | Phosphoglucose isomerase | 1×10^{-2} | % |

Storage: Keep tightly closed at -20°C in a dark and dry place. Let come to RT before opening.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 02/27.11.2018