

Certificate of Analysis
Certificate of Analysis & Research Application

Product **Control Membranes, (no recombinant CYP and/or human reductase activity)**
 Catalogue No PB CM 000005
 Lot Number

Product Description	Microsomes prepared from yeast (<i>S. cerevisiae</i>) Which is not containing human NADPH reductase and recombinant Cytochrome P450
Applications	Control membranes in in-vitro drug metabolism screening.
Product Data Pack Size Protein Concentration Reductase Activity	250 μ L 19.3 mg.ml ⁻¹ 120 nmol Cytochrome c reduced .min ⁻¹ . mg ⁻¹ of protein
Total Protein Content	Total protein estimated by Bradford protein assay method with BSA Standard.
Reductase Activity	Reductase activity measured based on a colorimetric assay that measures the reduction of cytochrome c by NADPH-cytochrome c reductase in the presence of NADPH. The reduction of cytochrome c results in the formation of distinct bands in the absorption spectrum and the increase in absorbance at 550 nm is measured with time.
Product Use and Stability	Microsomes are supplied in phosphate buffer (pH 7.4) containing water, glycerol, sucrose, EDTA, and PMSF which are unlikely to interfere with most assays. For best results & stability parameters, please thaw the microsomes on ice and make appropriate aliquots as per requirement and store at -80°C. Microsomes are stable and active at -80°C for 12 months. Repeated freeze thaws lead to instability and decrease in activity.
Safety	Product is not suspected to contain any pathogenic and hazardous materials. Properties have not been investigated extensively.
Ordering information	Please contact the personnel.
Contact and support	To call, write, fax, or email us, visit the Premas Biotech home page, www.premasbiotech.com/contact-us.aspx or fax: +91 – 124 -4365221 or call: +91 – 124 -4546600 or Email: tech_support@premasbiotech.com