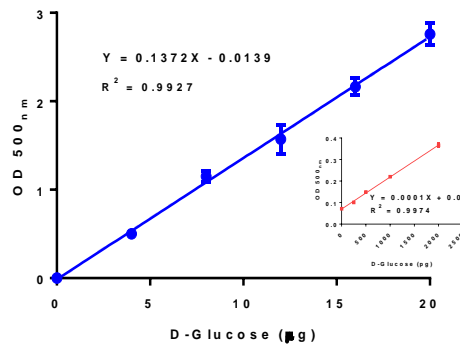


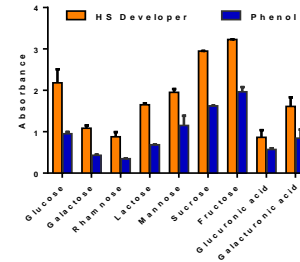
$$\text{Total Carbohydrate Concentration (C) in Sample(s) wells} = \frac{B}{V} \times D = \mu\text{g}/\mu\text{l or mg/ml}$$

Where, **B** = Amount of total carbohydrate from the Glucose Standard Curve (glucose equivalent)
V = Volume of sample added per well (μl)
D = Sample dilution factor ($D = 1$ for undiluted samples)

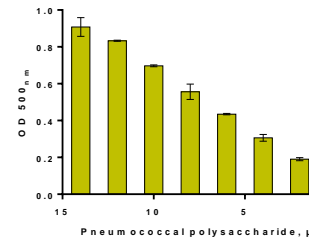
(a)



(b)



(c)



Figures: (a). D-Glucose Standard Curve. (b). Absorbance of Monosaccharides upon reacting with High Sensitivity (HS) Carbohydrate Developer and Phenol. (c). Total Polysaccharide content in Pneumococcal Polysaccharide Powder Type 4 (US Type 4), calculated total carbohydrate concentration (glucose equivalent) is $0.47 \pm 0.02 \mu\text{g}/\mu\text{l}$. The assay was performed according to the kit assay protocol.

VIII. Related Products:

- Total Carbohydrate Colorimetric Assay Kit (Cat. # K645-100)
- Glucose Colorimetric/Fluorometric Assay Kit (Cat. # K606-100)
- EZScreen™ Glucose Colorimetric Assay Kit (384 Well) (Cat. # K950-384)
- Glucose Colorimetric Assay Kit II (Cat. # K686-100)
- PicoProbe™ Glucose Fluorometric Assay Kit (Cat. # K688-100)
- Glucose and Sucrose Colorimetric/Fluorometric Assay Kit (Cat. # K616-100)
- Maltose and Glucose Colorimetric/Fluorometric Assay Kit (Cat. # K618-100)

FOR RESEARCH USE ONLY! Not to be used on humans.