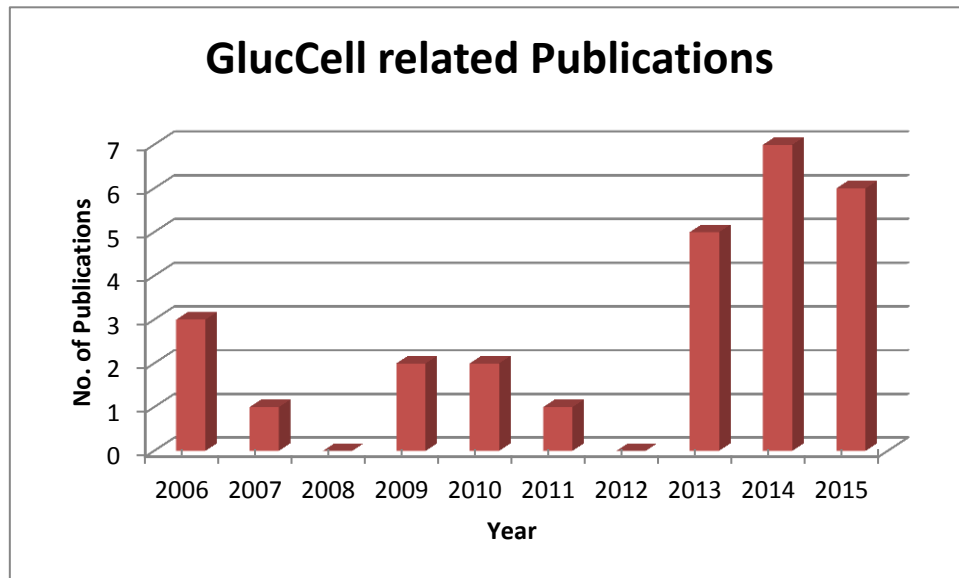


GlucCell Publications Profile

2016.01 update

GlucCell glucose meter has accumulated 27 publications as references since 2006. The publications increases since 2013 and keeps the growing trend. We see the trend that GlucCell has been accepted by scientific research, biotech and biopharmaceutical industries as a palm-size, and portable tool for providing accurate, reliable, calibration-free, and cost effective product for glucose measurement during cell culture. We would like to keep the trend and make our product as one of the standard in these fields. We would like to thank you for your support and make things happen. CESCO Bioengineering will keep improving the product and bring in more creative products into the bio-market.



*One publication from CESCO Bioengineering in 2006

Summary List of Publication

(Search from Google Scholar with keyword: GlucCell)

No.	Year	Publications
1	2006	Glucose measurement for cell culture- GlucCell , a modified blood glucose meter IK Wang, KM Chang, L Ho - GENETIC ..., 2006 - MARY ANN LIEBERT INC 140 ...
2	2006	Recombinant-protein production in insect cells utilizing a hollow-fibre bioreactor SC Baxter, D Panarello, S Ajith... - Biotechnology and ..., 2006 - Wiley Online Library ... nm. The protein concentration was determined using a molar absorption coefficient (ϵ) of $68225 \text{ litre} \cdot \text{mol}^{-1} \cdot \text{cm}^{-1}$. Glucose consumption in the nutrient medium was measured with a GlucCell glucose meter (Bellco) [52]. The ...

3	2006	<p>Using a novel bioreactor to cultivate animal cell for Japanese encephalitis virus production</p> <p>C Wang - 2006 - ethesys.fy.edu.tw</p> <p>... (lamina flow)內吸取 1 mL 培養液，將適量培養液滴定至葡萄糖測試片 Page 28. 20 (Glucose Test Strip)上，利用葡萄糖計量器(GlucCell™ Glucose Meter)測 定在生物反應器中細胞培養過程之葡萄糖變化情形，進而得知細胞生長代謝情形(此葡萄糖計量器測量範圍為 30~600 mg/dL)。...</p>
4	2007	<p>Blood glucose monitor: an alternative off-line method to measure glucose concentration during fermentations with Trichoderma reesei</p> <p>V Choy, N Patel, J.Thibault - Biotechnology letters, 2007 - Springer</p> <p>... Also, FitzGer-ald and Vermerris (2005) measured the glucose yield from an enzymatic saccharification of maize stover. GlucCell glucose monitoring system (Dunn Labortechnik, GmbH) is based on same principle as glucose blood analyzer. ...</p>
5	2009	<p>Application of screen-printed microband biosensors to end-point measurements of glucose and cell numbers in HepG2 cell culture</p> <p>RM Pemberton, J Xu, R Pittson, N Biddle, GA Drago... - Analytical ..., 2009 - Elsevier</p> <p>Microband glucose biosensors were produced by insulating and sectioning through a screen-printed, water-based carbon electrode containing cobalt phthalocyanine.</p>
6	2009	<p>3D microfabricated bioreactor with capillaries</p> <p>C Xia, NX Fang - Biomedical microdevices, 2009 - Springer</p> <p>... µm 1314 Biomed Microdevices (2009) 11:1309–1315 Page 7. 6–10 h to remove the ethanol in the chamber. The glucose concentration in the replaced DPBS was measured using GlucCell™ glucose monitoring system. Finally ...</p>
7	2010	<p>Enhanced production and isotope enrichment of recombinant glycoproteins produced in cultured mammalian cells</p> <p>D Skelton, A Goodyear, DQ Ni, WJ Walton... - Journal of biomolecular ..., 2010 - Springer</p> <p>... Glucose assay Medium glucose concentration was determined using the GlucCell glucose meter with GlucCell glucose test strips (Bellco Glass Inc., Vineland, NJ) according to the manu- facturer's protocol. Thy1 expression assay ...</p>
8	2010	<p>Mutant low-density lipoprotein receptor related protein with increased binding to alzheimer amyloid-beta peptide</p> <p>BV Zlokovic, A Srivastava, R Deane - US Patent App. 13/501,877, 2010 - Google Patents</p> <p>... Invitrogen). Each day, cells were counted using hemocytometer (Hausser Scientific Partnership, Horsham, Pa.) and glucose level was measured using GlucCell™ test strip (CESCO Bioengineering Co., Taichung, Taiwan). When ...</p>
9	2011	<p>Experimental characterization of tumor spheroids for studies of the energetics of tumor growth</p> <p>KL Mills, K Garikipati... - International Journal of ..., 2011 - hanser-elibrary.com</p> <p>... Initial measurements of glucose concen- tration in the cell culture medium using glucose-specific enzymatic reactions (GAHK-20, Sigma; GlucCell, Cesco Bioengineering) have consistently shown</p>

		the glucose concentration to be less than manufacturer-specified 1000 mg l ⁻¹ ...
10	2013	<p>A lipoprotein receptor cluster IV mutant preferentially binds amyloid-β and regulates its clearance from the mouse brain</p> <p>AP Sagare, RD Bell, A Srivastava, JD Sengillo... - Journal of Biological ..., 2013 - ASBMB</p> <p>... Invitrogen). The cells were counted daily using a hemocytometer (Hausser Scientific Partnership, Horsham, PA), and glucose levels were determined using a GlucCell TM test strip (CESCO Bioengineering Co., Taichung, Taiwan). ...</p>
11	2013	<p>Reducing Woody Biomass Recalcitrance by Electron Beams, Bidelignification and Hot-Water Extraction</p> <p>K Cheng, VA Barber, MS Driscoll... - Journal of ..., 2013 - ingentaconnect.com</p> <p>... The mixed enzyme solution, 0.2 mL, was then added to the vials (hydrolysis time = 0 h). The vials were incubated and, at predetermined intervals, 0.01 mL of the solution was withdrawn from the vials and analyzed with a GlucCell glucose meter (CESCO Bioengineering ...</p>
12	2013	<p>The feasibility of a novel bioreactor for vaccine production of classical swine fever virus</p> <p>SC Wu, MY Liao, YC Lin, CJ Sun, CT Wang - Vaccine, 2013 - Elsevier</p> <p>... The glucose concentration (GlucCell Glucose Monitoring System; CESCO Bioengineering) and the pH value (Meter model MP225; Suntex Instruments Co., Ltd., Hsichih city, Taipei county, Taiwan) of the medium were monitored to determine the timing for medium exchange ...</p>
13	2013	<p>An MDCK cell culture-derived formalin-inactivated influenza virus whole-virion vaccine from an influenza virus library confers cross-protective immunity by intranasal ...</p> <p>AM Haredy, N Takenaka, H Yamada... - Clinical and Vaccine ..., 2013 - Am Soc Microbiol</p> <p>... The cell density was measured periodically using a CVD nucleus staining kit (CESCO Bioengineering), by spotting samples taken from the bottle onto disks. Glucose concentrations were measured using a GlucCell meter (CESCO Bioengineering). ...</p>
14	2013	<p>以桿狀病毒表現系統生產重組蛋白質疫苗之產程開發與最適化</p> <p>高宜均 - 2013 - nthur.lib.nthu.edu.tw</p> <p>... 29 2-3 終端稀釋法定量病毒效價 29 2-4 利用搖瓶生產重組蛋白質 30 2-5 生物反應器操作 30 2-5-1 Mini-TideCell 30 2-5-2 BelloCell 生物反應器 30 2-5-3 TideCell 生物反應器 31 2-6 實驗分析方法 32 2-6-1 Crystal Violet Dye (CVD) method 32 2-6-2 GlucCell™ Glucose Monitoring ...</p>
15	2014	<p>Electron beam pretreatment of switchgrass to enhance enzymatic hydrolysis to produce sugars for biofuels</p> <p>S Sundar, NS Bergey, L Salamanca-Cardona... - Carbohydrate ..., 2014 - Elsevier</p>

		<p>... The tubes were incubated at 50 °C for six days, and 0.05 mL of the solution were removed every 24 h. The removed aliquots were analyzed using a GlucCell glucometer (range: 1.6–33.3 mM) to determine the amount of sugar released from the samples. ...</p>
16	2014	<p>[HTML] High fat diet feeding results in gender specific steatohepatitis and inflammasome activation</p> <p>M Ganz, T Csak, G Szabo - World journal of gastroenterology: WJG, 2014 - ncbi.nlm.nih.gov</p> <p>... Louis, MO, United States) at 2 mg/kg body weight and glucose levels were obtained at 0, 30, 75, 120 and 180 min. Blood samples were obtained by tail nick and glucose levels were measured using a GlucCell glucose monitor and strips. ...</p>
17	2014	<p>[HTML] Techniques to monitor glycolysis</p> <p>T TeSlaa, MA Teitell - Methods in enzymology, 2014 - ncbi.nlm.nih.gov</p> <p>... BioProfile Analyzers (Nova Biomedical) or Biochemistry Analyzers (YSI Life Sciences) can measure levels of both glucose and lactate in cell culture media. GlucCell (Cesco BioProducts) can measure only glucose levels in cell culture media. ...</p>
18	2014	<p>Cell retention by encapsulation for the cultivation of Jurkat cells in fixed and fluidized bed reactors</p> <p>P Kaiser, M Werner, V Jérôme... - Biotechnology and ..., 2014 - Wiley Online Library</p> <p>... 6 cells/mL). Glucose concentrations were determined with pre-calibrated test strips (GlucCell glucose monitoring system, Cesco Bioengineering, Taichung, Taiwan) according to the manufacturer's instructions. Cell number and ...</p>
19	2014	<p>Comparison of thraustochytrids Aurantiochytrium sp., Schizochytrium sp., Thraustochytrium sp., and Ulkenia sp. for production of biodiesel, long-chain omega-3 oils, ...</p> <p>KJL Chang, CM Nichols, SI Blackburn, GA Dunstan... - Marine ..., 2014 - Springer</p> <p>... The pellets were freeze dried overnight and weighed to determine dry cell weight (DCW). Residual glucose in the culture supernatants was measured using a GlucCell® Glucose Monitoring System (Cesco Bioproducts, GA, USA). ...</p>
20	2014	<p>[PDF] Liquid culture fermentation for rapid production of desiccation tolerant</p> <p>GM Mascarin, MA Jackson, NN Kobori, RW Behle... - 2014 - researchgate.net</p> <p>... At the 227 end of the fermentation process, the remaining glucose (gLÁ1) 228 was measured using a glucose meter (GlucCell®, CESCO, Atlanta, 229 GA, USA) as means to determine glucose utilization by fungi. Addi- 230 tionally, final pH from all culture broths was recorded. ...</p>

21	2014	<p>[PDF] Cell Retention by Encapsulation for the Cultivation of Jurkat Cells in Fixed and Fluidized Bed Reactors</p> <p>H Huebner, R Buchholz - researchgate.net</p> <p>... day into fresh R10 (inoculum cell density 0.5 x 10⁶ cells/mL). Glucose concentrations were determined with pre-calibrated test strips (GlucCell glucose monitoring system, Cesco Bioengineering, Taichung, Taiwan) according to the manufacturer's instructions. ...</p>
22	2015	<p>Rapid production of a H9N2 influenza vaccine from MDCK cells for protecting chicken against influenza virus infection</p> <p>Z Ren, Z Lu, L Wang, Z Huo, J Cui, T Zheng... - Applied microbiology ..., 2015 - Springer</p> <p>... hemagglutination as- say. To detect glucose consumption, glucose concentra- tion was measured using a GlucCell glucose monitoring system (CESCO Bioengineering) and maintained at 330 mg/dl. Electron microscopy The cultivation ...</p>
23	2015	<p>Fabrication of Large Size Ex Vivo-Produced Oral Mucosal Equivalents for Clinical Application</p> <p>H Kato, CL Marcelo, JB Washington... - ... Engineering Part C: ..., 2015 - online.liebertpub.com</p> <p>... Glucose consumption measurement Large EVPOME culture supernatant aliquots were taken at all the feeding days and glucose levels were measured using the GlucCell™ (Cesco Bioengineering, Taichung, Taiwan) glucose monitoring system. ...</p>
24	2015	<p>Glucose concentration alters dissolved oxygen levels in liquid cultures of Beauveria bassiana and affects formation and bioefficacy of blastospores</p> <p>GM Mascarín, MA Jackson, NN Kobori... - Applied microbiology ..., 2015 - Springer</p> <p>... Glucose utilization was computed as the difference between initial and final glucose concentrations in each medium mea- sured using a glucose meter (GlucCell®, CESCO, Atlanta, GA, USA). Harvesting and drying blastospores ...</p>
25	2015	<p>Non-destructive monitoring of viability in an ex vivo organ culture model of osteochondral tissue</p> <p>KM Elson, N Fox, JL Tipper, RM Hall... - e Cells and ..., 2015 - eprints.whiterose.ac.uk</p> <p>... with camptothecin (4 µg/mL) from day 6 to 20 (CA). Glucose assay Conditioned medium was analysed for glucose content using the GlucCell™ glucose monitoring system (Cesco Bioproducts, Atlanta, GA, USA; product code DG1000). Fresh ...</p>
26		<p>Glucose-deprivation increases thyroid cancer cells sensitivity to metformin</p> <p>A Bikas, K Jensen, A Patel, J Costello... - Endocrine-related ..., 2015 - Soc Endocrinology</p> <p>... Evaluation of glucose concentration and pH in the medium. The glucose concentration</p>

		was measured using the glucose oxidase method (GlucCell , Cescobioproducts, Atlanta, GA, USA). Protein extraction and western blot analysis. ...
27		COMPOSITION AND METHOD FOR CELL CULTURE SUSTAINED RELEASE RA Faris, AM Ferrie, VN Goral... - US Patent ..., 2015 - freepatentsonline.com ... Glucose concentration in the cell culture media was measured by a GlucCell Glucose Monitoring System (CESCO BioProducts, Atlanta, Ga.). Alternatively, glucose can be measured by a NOVA BioProfile Biochemical Analyzer. Example 5. ...