

SPHEROD的進

由日本IWAKI原廠研發,3D 細胞培養的新利器 EZSPHERE™,讓您 培養出上千上萬個大小均勻的球狀細胞體(Spheroid)。尤其針對幹細胞、 癌細胞及再生醫學的研究,培養出的Spheroid在保持 stemness、生長 速度、分泌的生長激素...等等,都比傳統細胞為佳⁽¹⁾。醫學上,移植的

Spheroid有非常好的存活率與再生性⁽²⁾。藥物測試中,Spheroids在細胞之間的 interactions 及藥物反應上,更有生理上的參考價值⁽³⁾。IWAKI EZSHPERE™ 快速而方便 的大量Spheroids培養,讓您的細胞培養實驗走在科技的最尖端!



EZSPHERETM



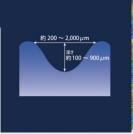
(Φ35-mm dish)

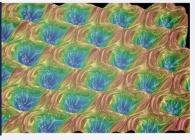
多種孔洞 大小可供 選擇

Well diameter	500 – 800 μm
Well depth	100 – 400 μm
Well number	2.300—1.000

Culture vessel for spheroid formation

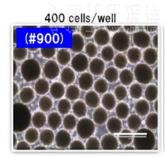
*由CO₂雷射打出的光滑均匀曲面,加上獨家的 反貼附塗層,讓細胞在 wells 底部自然聚集成為 spheroids。高透度的薄透底層,最適合用於 phase contrast 顯微鏡的觀察。

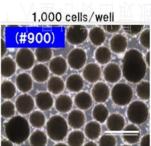


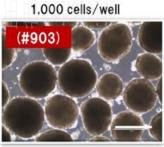


多種孔徑選擇,大量培養出最適用的Spheroids

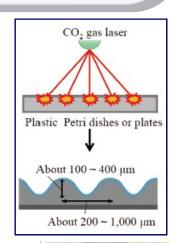
wells



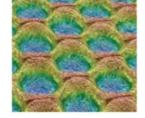


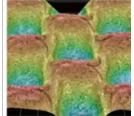


Scale bar: 400 µm



Spheroid 大小可由 EZSPHERE 的孔徑及一開 始 seeding 細胞的密度來控制。Variety Pack (35mm) 可讓第一次使用者測試最適合實驗目的 的 Spheroid 大小。應用上可直接培養做實驗、或 换上 Differentiating Medium 做分化的動作。

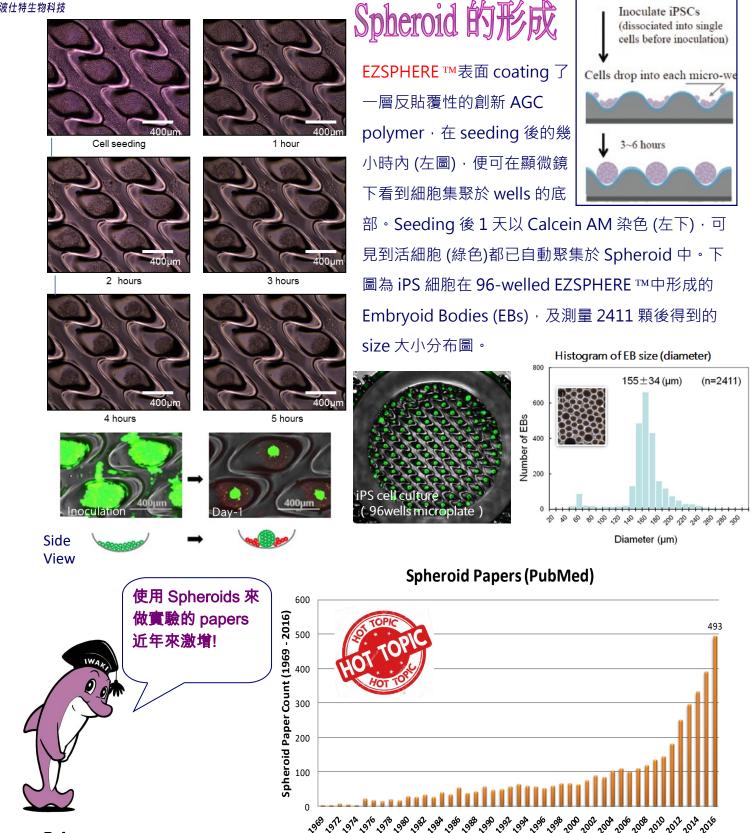




#900—徑 500 深 100 μm # 903—徑 800 深 400 μm







- Three-dimensional spheroid culture promotes the stemness maintenance of cranial stem cells by activating PI3K/AKT and suppressing NF-к B pathways. He D et. al, BBRC, 2017.
- (2) Human mesenchymal stem cell spheroids in fibrin hydrogels exhibit improved cell survival and potential for bone healing. Murphy KC et. al, Cell Tissue Res. 2014.
- Ovarian cancer spheroid shrinkage following continuous exposure to cisplatin is a function of spheroid diameter. Tanenbaum LM et. al, Gynecol Oncol. 2017

Reference: