

zB27 (50X)

产品信息

zB27是用于神经元细胞培养的无血清添加剂。它是B27®的优化和改良配方；

zB27 含维生素A.

概况

磷酸盐缓冲液（Phosphate-Buffered Saline, PBS）是生物化学研究中使用最为广泛的一种平衡盐溶液，主要成分为Na₂HPO₄、KH₂PO₄、NaCl和KCl。PBS缓冲液常用于组织块的漂洗、细胞的洗涤、细胞或组织的运输、其他试剂的配制以及作为细胞计数的稀释液等。

zB27添加剂是无血清添加剂，用于海马神经元和其他中枢神经系统（CNS）神经元的生长和保持其短期或长期活性。zB27 添加剂是50X 的液体，可以与Neurobasal 培养基或Neurobasal-A培养基组合使用，用于神经细胞培养而不需要再添加饲养层细胞。zB27添加剂适和应用于大多数神经细胞培养。

产品规格

Cat. No.	BM0015
volume	10 ml
Appearance	Clear frozen liquid Store at ≤-15°C. Avoid repeated freeze-thaw cycles. Preparation of aliquots recommended. Once opened, store at 4° C and use within 2-4 weeks
Storage and shelf life	4° C and use within 2-4 weeks
Shipping conditions	Frozen (Dry ice)
Thawing	+37°C water bath or overnight at +2°C to +8°C. Swirl gently to homogenize.
Working Concentrations	Recommended final concentration: 1 x
Expiration date	12 months

使用说明

zB27 Supplement is a 50-fold concentrate. Dilute zB27Supplement into the base medium 1 : 50. The final concentration of zB27 Supplement corresponds to 1x. For preparation of 100 ml medium add 2 ml zB27 Supplement into 98 ml of the appropriate base medium.

Cell culture vessels must be coated with Poly-D-Lysine (0.05 mg/ml). If using in combination with N2 Supplement or N2 Supplement Modified add Fibronectin at a final concentration of 5 to 10 μg/ml directly to the medium.

For Cultivation of Fetal Neurons : Add zB27 Supplement (50x) to base medium (add 0.5 mM L-glutamine) to a final concentration of 1x. For initial plating of embryonic primary hippocampal neurons 25 μM (3.7 μg/ml) glutamate must be added for the first 4 days. After initial plating no glutamate is necessary. Change media every 3 to 4 days.

For Cultivation of Adult and Postnatal Neurons : Add zB27 Supplement and G5 Supplement to basal media (add 0.5 mM Lglutamine) to obtain a final concentration of 1x.

For Serum-free Growth of Neuroblastomas : Add zB27 Supplement to basal media (add 0.5 mM L-glutamine and 25 µg (3.7 µg/ml) glutamate) to a final concentration of 1x.

仅供科学研究使用，禁止用于它用