精子细胞 BWW 培养基

货号：G2585
规格：100mL/500mL
保存：-20℃，有效期 6 个月。

产品介绍：

正常精液是一种混合物，在射精时由睾丸和附睾的分泌物及悬浮其中的精子与前列腺、精囊腺和尿道球腺的分泌物混合而成，最终射出的混合物是一种粘稠的液体。精子分析的方法有很多，其中可通过培养进行检测。

精子细胞 BWW 培养基又称为获能培养液（capacitatingmedium），主要由系列盐离子、酚红、葡萄糖、丙酮酸钠、BSA 等以及抗生素组成，每 1000mL BWW 培养基中含 100，000U 青霉素钠盐和 100mg 链霉素，是一种旨在用于广谱动物和人体精子细胞获能处理的常用营养液。

操作步骤：（*仅供参考*）

1、 取干净的精液样本室温放置 30-60min，使之充分液化。
2、 制备精子细胞(仅供参考，不是必须步骤)：
1)、上泳法。
2)、非连续密度梯度法。
3、 将含有精子细胞的离心管置于 37℃含 5%CO_2、95%空气的细胞培养箱中孵育。如无上述培养箱，可将离心管密封加盖，置于 37℃的普通培养箱内孵育。在孵育过程中，大多数活动的精子从精浆中游离到覆盖上面的培养液内。
4、 离心精子悬液，使精子细胞密度接近于 10×10^6/mL，将精子重悬于精子细胞 BWW 培养基中，并在 37℃含 5%CO_2、95%空气的细胞培养箱内孵育。如无上述培养箱，可将离心管密封加盖，置于 37℃的普通培养箱内孵育。在孵育过程中，将试管 20°倾斜。

注意事项：

1、 注意无菌操作，尽量避免污染。
2、 如无 Earle 培养液和增补的 Earle 培养液，可用精子细胞 BWW 培养基代替。
3、 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Sperm BWW Culture Medium

Cat: G2585
Size:100mL/500mL
Storage:-20℃, valid for 6 months.

Introduction

Normal semen is a kind of mixture, which is composed of the secretion of testis and epididymis and the sperm suspended in it and the secretion of prostate gland, seminal vesicle gland and bulbar gland of urethra during ejaculation. The resulting mixture is a viscous liquid. There are many methods of sperm analysis, which can detect by culture.

Sperm BWW Culture Medium is also called capacitating medium, which is mainly composed of a series of salt ions, phenol red, glucose, sodium pyruvate, BSA and antibiotics. Each 1000mL BWW Culture Medium contains 100000 U of penicillin sodium salt and 100mg of streptomycin. It is a common nutrient solution for capacitative treatment of broad-spectrum animal and human sperm cells.

Protocol(*for reference only*)

1. Take a clean semen sample and place it at room temperature for 30-60min to make it fully liquefied.
2. Prepare sperm cells (*for reference only, not necessary step*):
   1) Upper stroke method.
   2) Discontinuous density gradient method.
3. Incubate the centrifuge tube with sperm cells in a cell incubator containing 5% CO_2 and 95% air at 37 ℃. If there is no such incubator, can seal and cover the centrifuge tube, then incubate it in an ordinary incubator at 37 ℃. In the process of incubation, most of the motile sperm dissociate from seminal plasma to the culture medium covered above.
4. Centrifuge the sperm suspension to make the sperm cell density close to 10×10^6/mL. Resuspend the sperm cell in BWW Culture Medium and incubate in a cell incubator containing 5% CO_2 and 95% air at 37 ℃. If there is no such incubator, can seal and cover the centrifuge tube, then incubate it in an ordinary incubator at 37 ℃. During incubation, tilt the tube in 20°.

Note

1. Pay attention to aseptic operation and try to avoid pollution.
2. If there is no Earle culture solution or supplementary Earle culture solution, can replace with Sperm BWW Culture Medium.
3. For your safety and health, please wear experimental clothes and disposable gloves.