

德国 HYDRO-BIOS 公司--浮游生物观察组件

浮游动物计数框

树脂材料制成，底面抛光，透明度高，可将其放置到常规显微镜上对浮游动物进行观察



435 010-435 012

435 010 尺寸 40×70mm，容纳样品量约 9ml

435 011 尺寸 80×100mm，容纳样品量约 22ml



435 011A

435 011A 尺寸 80×100mm，容纳样品量约 6×5.4ml

435 011B 尺寸 80×100mm，容纳样品量约 12×2.4ml

435 011C 尺寸 80×100mm，容纳样品量约 30×0.8ml



435 011B

435 012 尺寸 80×140mm，容纳样品量约 70ml

435 015 Kolkwitz 浮游植物计数框

包含带计数网格的盖片，网格大小 1×1mm，尺寸 33×33mm，盖玻片厚度 1.3mm，计数孔直径 22mm，样品容量 0.5ml（经过精确校准的）

435 016 Kolkwitz 浮游植物计数框

同上，盖玻片厚度 2.6mm，样品容量 1.0ml



435 011C

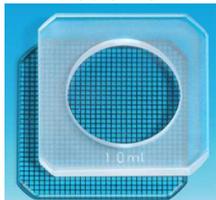
管状浮游植物计数框

树脂玻璃制成，带可旋转拆卸的黄铜底座，外加 1 个盖玻片和 50 个底玻片

435 021 容量 5ml

435 022 容量 10ml

435 023 容量 25ml



435 015/435 016

435 025 Utermohl 组合式浮游植物计数框（浮游植物沉降器）

由 10ml，50ml，100ml 圆管各 1 个，与 3 片直径 33mm 盖玻片、50 片底玻片和其他辅助操作附件组成一套完整的浮游植物沉降计数系统。

435 028 盖玻片，适用于管状浮游植物计数框和组合式浮游植物计数框，直径 33mm，厚度 3mm，50 片/包

435 035 底玻片，适用于管状浮游植物计数框和组合式浮游植物计数框，直径 27.5mm，厚度 0.2mm，250 片/包



435 021-435 023

Hensen 活塞式样品移液管

与 250ml 稀释瓶和一个活塞组成一套完整的样品稀释系统

435 090 容量 0.1ml

435 091 容量 0.25ml

435 092 容量 0.5ml

435 093 容量 1.0ml

435 094 容量 2.5ml

435 095 容量 5.0ml



435 025

435 098 备用稀释瓶，250ml，Duran 玻璃制，10 个/包

435 100 Folsom 浮游生物分样器

用来将大量的浮游生物分成适合的量，来进行观察研究。一次操作可以将样品平分成两份。重复操作，可以将样品分成的任意所需要的量。透明的塑料滚筒可以容纳最多约 100ml 样品。底座安装有一个水平器和两个调节水平的螺杆，确保样品分割的精确性。净重 1kg。



435 090-435 095



代表文献:

1. Manfred Rolke and Jürgen Lenz, 1984. Size structure analysis of zooplankton samples by means of an automated image analyzing system. *Journal of Plankton Research*. 6(4): 637-645.
2. Austin B.M. Egborge and Prekeyi Tawari, 1987. The rotifers of Warri River, Nigeria. *Journal of Plankton Research*. 9(1):1-13.
3. J.W. Rijstenbil, 1987. Phytoplankton composition of stagnant and tidal ecosystems in relation to salinity, nutrients, light and turbulence. *Netherlands Journal of Sea Research*. 21(2):113–123.
4. S. Wagener, C. F. Bardele, N. Pfennig, 1990. Functional integration of *Methanobacterium formicicum* into the anaerobic ciliate *Trimyema compressum*. *Archives of Microbiology*. 153(5):496-501.
5. S. Holler, N. Pfennig, 1991. Fermentation products of the anaerobic ciliate *Trimyema compressum* in monoxenic cultures. *Archives of Microbiology*. 156(4):327-334 .
6. J. W. Rijstenbil, C. Bakker, R. H. Jackson, A. G. A. Merks, P. R. M. de Visscher, 1993. Spatial and temporal variation in community composition and photosynthetic characteristics of phytoplankton in the upper Westerschelde estuary (Belgium, SW Netherlands). *Hydrobiologia*. 269-270(1):263-273.
7. Bettina Meyer-Harms, Falk Pollehne, 1998. ALLOXANTHIN IN DINOPHYSIS NORVEGICA (DINOPHYSALES, DINOPHYCEAE) FROM THE BALTIC SEA. *Journal of Phycology*. 34(2):280–285.
8. Catalina Castell Perez, Suzanne Roy, Maurice Levasseur, Donald M. Anderson, 1998. CONTROL OF GERMINATION OF ALEXANDRIUM TAMARENSE (DINOPHYCEAE) CYSTS FROM THE LOWER ST. LAWRENCE ESTUARY (CANADA). *Journal of Phycology*. 34(2):242–249.
9. Teresa Cruz and Jorge Araújo, 1999. Reproductive Patterns of *Pollicipes pollicipes* (Cirripedia: Scalpellomorpha) on the Southwestern Coast of Portugal. *Journal of Crustacean Biology*. 19(2):260-267.
10. Michael Hust, Wolfgang E Krumbein, Erhard Rhiel, 1999. An immunochemical in situ approach to detect adaptation processes in the photosynthetic apparatus of diatoms of the Wadden Sea sediment surface layers. *Journal of Microbiological Methods*. 38(1–2):69–80.
11. Christine Dupuy, Solange Le Gall, Hans J. Hartmann, Martine Bréret, 1999. Retention of ciliates and flagellates by the oyster *Crassostrea gigas* in French Atlantic coastal ponds: protists as a trophic link between bacterioplankton and benthic suspension-feeders. *Marine Ecology Progress Series*. 177:165-175.
12. A. Tewari, H.V. Joshi, R.H. Trivedi, V.G. Sravankumar, C. Raghunathan, Y. Khambhaty, O.S. Kotiwar, S.K. Mandal, 2001. The Effect of Ship Scrapping Industry and its Associated Wastes on the Biomass Production and Biodiversity of Biota in in situ Condition at Alang. *Marine Pollution Bulletin*. 42(6):461–468.
13. Hera Karayanni, Urania Christaki, France Van Wambeke, Andrew P. Dalby, 2004. Evaluation of double formalin—Lugol's fixation in assessing number and biomass of ciliates: an example of estimations at mesoscale in NE Atlantic. *Journal of Microbiological Methods*. 56(3):349–358.
14. El Ohimain, TOT Imoobe & MO Benka-Coker, 2005. The impact of dredging on macrobenthic invertebrates in a tributary of the Warri River, Niger delta. *African Journal of Aquatic Science*. 30(1):49-53.
15. Laurent Seuront, Dorothée Vincent, James G. Mitchell, 2006. Biologically induced modification of seawater viscosity in the Eastern English Channel during a *Phaeocystis globosa* spring bloom. *Journal of Marine Systems*. 61(3–4):118–133.

16. Wim A.M. Hijnen, Yolanda J. Dullemont, Jack F. Schijven, Anke J. Hanzens-Brouwer, Martine Rosielle, Gertjan Medema, 2007. Removal and fate of *Cryptosporidium parvum*, *Clostridium perfringens* and small-sized centric diatoms (*Stephanodiscus hantzschii*) in slow sand filters. *Water Research*. 41(10):2151–2162.
17. Géraldine Sarthou, Dorothée Vincent, Urania Christaki, Ingrid Obernosterer, Klaas R. Timmermans, Corina P.D. Brussaard, 2008. The fate of biogenic iron during a phytoplankton bloom induced by natural fertilisation: Impact of copepod grazing. *Deep Sea Research Part II: Topical Studies in Oceanography*. 55(5–7):734–751.
18. Damir Viličić, Tamara Djakovac, Zrinka Burić, Sunčica Bosak, 2009. Composition and annual cycle of phytoplankton assemblages in the northeastern Adriatic Sea. *Botanica Marina*. 52(4):291–305.
19. Fedekar F. Madkour, Mohsen M. El-Sherbiny and Maher A. Aamer, 2010. Phytoplankton population along certain Egyptian coastal regions of the Red Sea. *Egypt J. Aquat. Biol. & Fish.* 14(2):95-109.
20. Mianrun Chena, Bingzhang Chena, Paul Harrisonb, Hongbin Liu, 2011. Dynamics of mesozooplankton assemblages in subtropical coastal waters of Hong Kong: A comparative study between a eutrophic estuarine and a mesotrophic coastal site. *Continental Shelf Research*. 31(10):1075–1086.
21. Germán A. Koprio, Gerhard Kattner, Martin Graeve, R. Hugo Freije, Rubén J. Lara, 2012. Exceptional lipid storage mode of the copepod *Boeckella poopensis* in a pampean salt lake, Argentina. *Aquatic Biology*. 15:275-281.
22. Dongyan Liu, Yajun Shi, Baoping Di, Qianli Sun, Yujue Wang, Zhijun Dong, Hongbing Shao, 2012. The impact of different pollution sources on modern dinoflagellate cysts in Sishili Bay, Yellow Sea, China. *Marine Micropaleontology*. 84–85:1–13.
23. Daniel Remias, Andreas Holzinger, Siegfried Aigner, Cornelius Lütz, 2012. Ecophysiology and ultrastructure of *Ancydonema nordenskiöldii* (Zygnematales, Streptophyta), causing brown ice on glaciers in Svalbard (high arctic). *Polar Biology*. 35(6):899-908.
24. F.S. Tahami, A.G. Mazlan, H. Negarestan, Sh. Najafpour, W.W.M. Lotfi and G.D. Najafpour, 2012. Phytoplankton Combination in the Southern Part of Caspian Sea. *World Applied Sciences Journal*. 16(1): 99-105.
25. Amir Abbas Bazayar Lakeh, Werner Kloas Rainer Jung, Ra'anana Ariav, Klaus Knopf, 2013. Low frequency ultrasound and UV-C for elimination of pathogens in recirculating aquaculture systems. *Ultrasonics Sonochemistry*. 20(5):1211–1216.