

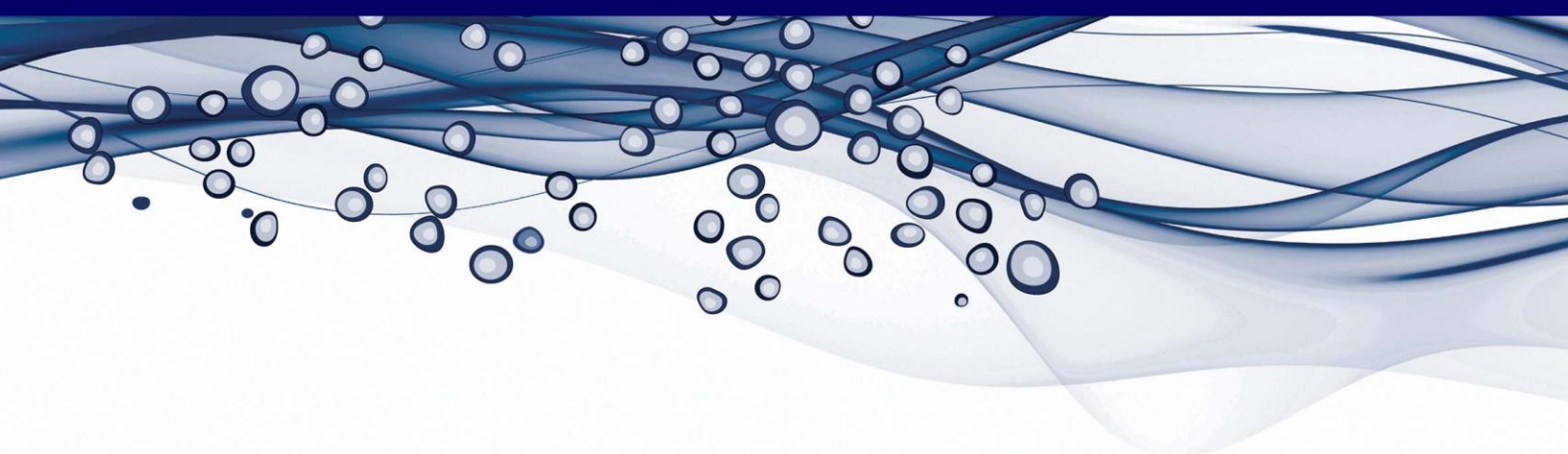
Cellometer[®]

Product Number: CS1-0108-5ML

Description: Cellometer ViaStain[™] AO Staining Solution

Instrument (s): Auto2000, X4, X1, X2, K2 Vision, Vision CBA

Instruction Booklet: ViaStain[™] AO Staining Solution



This product is for RESEARCH USE ONLY and is not approved for diagnostic or therapeutic use.

8001304 Rev. A

Product

Part Number: **CS1-0108-5ML**

Description: Cellometer ViaStain™ AO Staining Solution

Manufacturer Lot Number: **YYMMDD-RR-B**

Volume: **5 mL**

pH Range: 7.4 to 8.0

Description

The ViaStain™ AO Staining Solution enables the user to quantitatively determine total cell count in both pure cultures and primary samples using the Cellometer system. Acridine Orange (AO) is a nucleic acid dye that enters cells and binds to the DNA inside the nucleus. When cell counting is performed using fluorescent imaging, all cells that fluoresce green are counted, while the debris or non-cell particles are excluded, enabling accurate determination of concentration using the Cellometer system.

Materials

Materials Supplied

1. One 5 mL bottle of AO Staining Solution

*Each bottle contains sufficient solution to perform ~ 250 tests using the Cellometer system and the procedure below.

Materials Required

1. Micro centrifuge tube
2. Pipette
3. Cellometer counting chamber (SD100 or PD100)
4. Cellometer Auto 2000, Cellometer Auto X4 with Fluorescence Optical Module XB-535-401, Cellometer X1 and X2, Cellometer K2 or Cellometer Vision / Vision CBA, with Fluorescence Optical Module VB-535-401 or equivalent

Procedure

1. Pipette 20 µL of cell sample into a micro centrifuge tube
2. Add 20 µL of AO staining solution to micro centrifuge tube and mix well by pipetting up and down at least 3 times.
3. Load 20 µL into a counting chamber (if using SD100 slides, peel plastic film off both sides before loading).
4. Insert loaded slide into the instrument.
5. Select the appropriate assay type for AO cell count measurement.
6. Preview bright-field and fluorescent images.
7. Focus if necessary.
8. Count.

Storage and Handling

Store the AO Staining Solution at 4-6°C protected from light. AVOID FREEZING. The AO Staining Solution is highly carcinogenic; safety precautions must be taken when handling the solution. Please consult the Material Safety Data Sheet for more safety information, found on www.nexcelom.com/Products.

Warranty

This product is for RESEARCH USE ONLY and is not approved for diagnostic or therapeutic use. Product is warranted to meet the specifications outlined in the Certificate of Analysis when stored and used according to the manufacturer's instructions. No other warranty, expressed or implied (such as merchantability, fitness for a particular purpose, or non-infringement) is granted. Warranty is valid until the expiration date stated on the product label. If no expiration is listed, the warranty is valid for 12 months from the date of product receipt.

Warranty will be void if product is stored incorrectly, the recommended protocol is not followed, or the product is used for a different application.

Quality Control

Manufactured and tested according to SOP #: 8001434

Passed



Matthew Bularzik, Quality Engineer

03/10/2014