912-0007 YC-100™ Test Kit (diploid mode)

Certificate & Package Insert for lot 0225-205. Expires by May-2026.

		Accept Criteria	
	ChemoMetec Master Instrument	**Average of 5 analyses**	**CV%**
Blank (ZERO)	0.01 x 10^6 beads/mL	0.00 - 0.20 x 10^6 beads/mL	-
Fluorescent beads	0.73 x 10^6 beads/mL	0.53 - 0.93 x 10^6 beads/mL	Max. 8%

This lot has been tested according to the internal ChemoMetec quality procedures. The lot meets all product specifications.

Certificate released by Thomas Andersen, QC Specialist, in Feb-2025.

Contents

One vial containing 1.0 ml fluorescent bead suspension and one vial containing 1.5 ml of a bead free suspension (ZERO). The vials contain sufficient volume for at least five analyses. Discard the remaining suspension after use or when expiry date is reached.

Application

The YC-100™ Test Kit is intended to be used for routine check of the NucleoCounter® YC-100™ instrument. It is recommended to perform a test of the NucleoCounter® twice per year. The beads of the kit are fluorescent and will appear like yeast cells in the image presented by the NucleoView™ software.

Procedure

- The NucleoCounter® YC-100™ must be in "diploid" mode when using the YC-100™ Test Kit.
- Shake the fluorescent bead vial vigorously for 5 seconds before use. In order to obtain a single-bead suspension it is extremely important to shake the vial sufficiently prior to use. Vortex mixing CANNOT replace shaking!
- After shaking, let the vial stand for 3-5 minutes to allow the foam to settle.
- BLANK: Remove the lid from vial, load a NucleoCassette™ with the solution and then carry out an analysis on the NucleoCounter®. Repeat the test procedure five (5) times using five NucleoCassettes™.
- Fluorescent beads: Invert the vial gently, remove the lid, load a NucleoCassette™ with the Fluorescent bead suspension and then carry out an analysis on the NucleoCounter®. Repeat the test procedure five (5) times using five NucleoCassettes™. Close the vial and invert it gently before each measurement in order to avoid settling of the beads.
- Calculate the average count in millions/ml for each suspension. Discard up to one outlier for each calculation of average counts.
- If the average counts are within the specified range (refer to the top of this document) the NucleoCounter® YC-100™ is working satisfactory. If the average counts are not within the acceptable range, this can be due to problems with the instrument, the NucleoCassettes™, the Test Kit or the handling of the system. Pay special attention to shaking of the bottles prior to use.

Stability

The storage stability after production is at least 9 months if stored at 2-7 °C. See expiry dates on the kit labels and on top of certificate.

Storage

Store the kit at 2-7 °C until opening. DO NOT FREEZE! After opening the kit shall be used immediately. After use discard the kit.

Shipment

The kit can be shipped at ambient temperature (0-50 °C for max. 10 days).

Safety Information

This material is not considered hazardous. However, exercise due care and wash hands after usage as a precaution. Do not eat or drink the product.

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