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

Certificate & Package Insert for lot 0224-209. Expires by May-2025.

		Accept Criteria	
	ChemoMetec Master Instrument	**Average of 5 analyses**	**CV%**
Blank (ZERO)	0.00 x 10^6 beads/mL	0.00 - 0.20 x 10^6 beads/mL	-
Fluorescent beads	0.84 x 10^6 beads/mL	0.64 - 1.04 x 10^6 beads/mL	Max. 8%

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

Certificate released by Anna Kirstine Koefoed, Senior QC Manager, in February 2024.

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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