CERTIFICATE OF ANALYSIS

chemometec

NC-200 PQ Kit 4

Product No.: 912-0013
Lot No.: 0823-201
Release Date: Aug-2023
Expiry Date: Nov-2024
Application: **NC-200 PQ Kit 4** is part of the NucleoCounter® system, and is used for performance qualification (PQ) using the **Via1-Cassette™ and the NucleoCounter NC-200™**. For further information please refer to package insert (992-0031) and technical notes (994-0222 and 994-0223).

	Results on Master Instrument	Accepted range	Variation Limits
Beads LOW (Low count / High Viability) P/N: 071-0024	Count 7.17 x 10^4 beads/mL	5.02 - 9.32 x 10^4 beads/mL	CV% < 28.0 %*
	Viability 98.8 %	93.0 - 100.0 %	CV% < 3.0 %
Beads MEDIUM (Medium count / Medium Viability) P/N: 071-0025	Count 4.82 x 10^5 beads/mL	3.61 - 6.02 x 10^5 beads/mL	CV% < 11.0 %*
	Viability 46.4 %	39.4 - 53.4 %	CV% < 8.0 %
Beads HIGH (High count / Low Viability) P/N: 071-0026	Count 3.98 x 10^6 beads/mL	3.26 - 4.69 x 10^6 beads/mL	CV% < 6.0 %
	Viability 0.6 %	0.0 - 6.0 %	SD < 2.0 %**

* = The high Coefficient of Variation is primarely due to Poisson distribution .
** = When viability is close to 0, even insignificant changes in dead counts can result in extremely high CV%. Instead, Standard Deviation (SD) is used to evaluate the result.

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

This lot was released by: Jennifer Fermina Madsen, QC Specialist