

CHO-hERG-DUO (cl. K32)

Assay Ready Cells

Certificate of Analysis

Lot-N°: 92-190222JP02

LOT SPECIFICATIONS

Packaging:	5 million cells / vial	Cat-N°:	RE304
Passage:	31	Cell ID:	0275
Re-test Date:	06 FEB 2024	Approved by:	
Expiry Date:	06 FEB 2026	<i>Serafina Bruhns</i>	
		Serafina Bruhns (Head of Quality Control)	

QUALITY CONTROL

Parameter	Specification Limits	Batch Results
Cell Count	≥ 100 % of nominal cell count	6.4E+06 cells / vial
Homogeneity (cell count)	≥ 90 %	90 %
Viability (after thawing)	≥ 90 %	98 %
Proliferative Capacity	≥ 80 %	100 %
Morphology	matches reference image	passed
Sterility Testing (bacteria, yeast, fungi)	sterile after 7 days	passed
Mycoplasma Testing	negative by PCR	passed
Identity (cross species contamination)	species-specific PCR fragment	passed (hamster)
Identity (human STR analysis)	matches reference STR profile	n.a.

METHODS

Cell Viability Parameters (cell count and viability) are determined in a CASY TT automatic cell counter. If cell aggregation falsifies automated cell counting, Neubauer counting chamber is used instead of the CASY TT counter. Homogeneity is analyzed in a plate-based assay.

Proliferative Capacity compares the mean growth rates of freshly thawed cells in relation to exponentially growing cells over 72 hours.

Sterility is tested by inoculation of aerob and anaerob growth broths (Tryptic Soy and Thioglycollate for bacteria, yeast and fungi) with samples and cultivation over a course of 7 days.

Mycoplasma are detected by PCR using a mycoplasma detection kit.

Species Identity is tested by amplification of a specific fragment of 18S rRNA coding region via multiplex PCR (dog, mouse, Chinese hamster, human, monkey, rat, pig and bovine).

