



CERTIFICATE OF ANALYSIS HUMAN CRYOPRESERVED HEPATOCYTES GRADE **SP**, QUALIFIED FOR **SP**HEROID ASSAYS

Catalog number: PR-LIV-SPHBatch number: HEP187725

FOR RESEARCH USE ONLY. Not intended for human or animal diagnostic or therapeutic uses. HUMAN CRYOPRESERVED HEPATOCYTES <u>are not recommended for expanding</u>. Human primary cells must be treated as potential pathogens. Users <u>need to wear personal protective equipment</u> during the work. DO NOT USE DRY ICE DURING WORK, STORAGE, OR TRANSPORTATION.

1. BIOLOGICAL MATERIAL

1.1. INFORMATION ABOUT DONOR

Age	18 years			
Sex	Male Female 🔾			
Ethnicity	Caucasian A	African 🔘	Not available 🔾	
Pathology or	Blunt head trauma			
Cause of death				
Patient information	Diabetes	Yes 🔾	No •	Unknown 🔘
	Heart disease	Yes 🔾	No •	Unknown 🔾
	High blood	Yes 🔾	No 🗨	Unknown 🔾
	pressure			
	Smoking	Yes 🔾	No 🔵	Unknown 🔾
	Alcoholism	Yes 🔾	No •	Unknown 🔾
	Medication:	-		

Biological materials were collected from the certified clinical hospitals. Clinical site provided ethical committee approval and conducted the collection in accordance to the Directive 2004/23/EC of the European Parliament

1.2. SAFETY DATA

Virological status	Specification	Result	
Hepatitis B (HBs antigen, anti HBc antibody)		Positive 🔾	Negative
Hepatitis C (anti HCV antibody)	Negative	Positive 🔾	Negative
HIV-1 and HIV-2 (anti HIV-1 and HIV-2		Positive 🔾	Negative
antibodies)			





2. PRODUCT DESCRIPTION

Process	Human hepatocytes were isolated and frozen by standard methods.
Biosafety level	Human sourced products handled at the Biological Safety Level 2.
Date of production	27/09/2023
Cell quality control	29/09/2023
date	
Packaging	0.5 mL suspension in the cryovial with a minimum of 1x10 ⁶ viable cells.

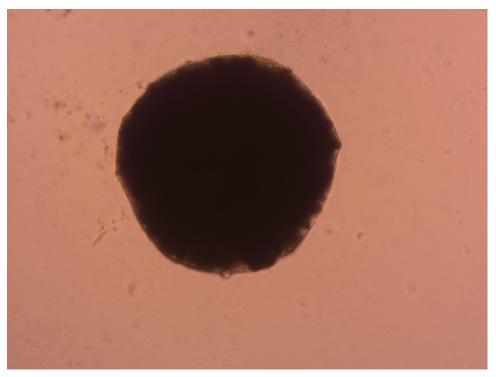
3. CELL QUALITY CONTROL AFTER THAWING

Criteria	Specification	Result	Conclusion	
Post-thaw viability	≥ 80%	85 %	Yes	No 🔾
Number of viable cells per vial	≥ 1 x 10 ⁶	1,7 x 10 ⁶	Yes	No 🔾
The ability of spheroids formation	Yes	Yes	Yes •	No 🔾
Number of days to form spheroids	7-14	10	Yes •	No 🔾
Microbial sterility	No microbial growth detectable	Undetectable	Yes •	No 🔾
Mycoplasma contamination	Standard test kit	Undetectable	Yes	No 🔾

4. MICROPHOTOGRAPHICS

SAMPLE





Magnification	x200
Cell seeding density	2000 cells/well
Well format	PhenoPlate™-384 ULA-coated (PerkinElmer, 6057800)
Cultivation conditions	DMEM + HepExtend supplement + 1% Penicillin/Streptomycin

5. CELL STORAGE

Delivery	In liquid nitrogen, ≤ 150°C	
Storage temperature	In vapour of liquid nitrogen, ≤ 150°C up to 5 years	

6. VISA FOR BATCH RELEASE

Name	Signature	Date
Tetiana Papurina	- Line	10/10/2023