

**FOR RESEARCH USE ONLY. CAUTION:** Not intended for human diagnostic or therapeutic uses. Users should treat all human cells as potential pathogens. Wear protective clothing and eyewear. Practice appropriate disposal techniques for potentially pathogenic or bio-hazardous materials.

**PRODUCT INFORMATION:**

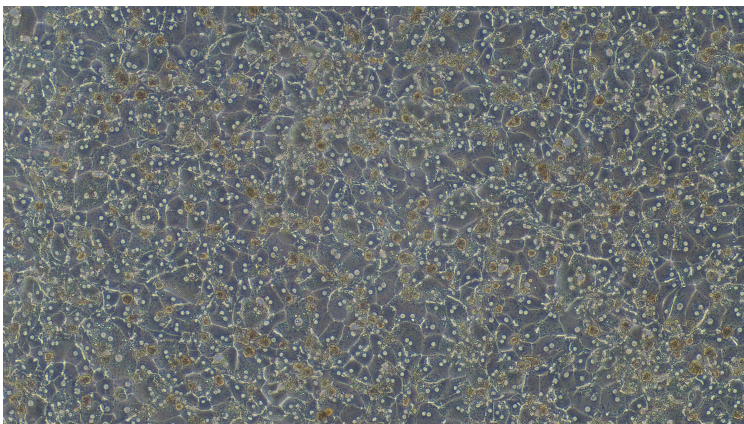
Product name: \_\_\_\_\_ Lot identifier: \_\_\_\_\_  
 Post-thaw viability of  $\geq$  \_\_\_\_ % Post-thaw confluency  $\geq$  \_\_\_\_ % on day 5  
 Contains a minimum of \_\_\_\_ x 10<sup>6</sup> viable cells/mL

**DONOR DEMOGRAPHICS:**

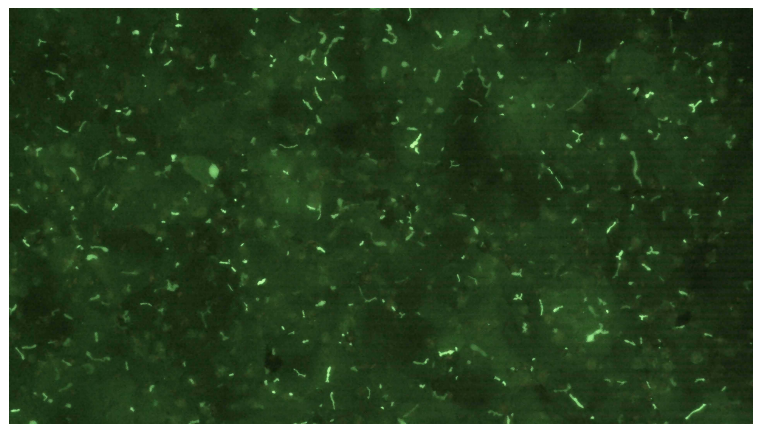
Sex: \_\_\_\_\_ Age: \_\_\_\_\_ BMI: \_\_\_\_\_ Ethnicity: \_\_\_\_\_ COD: \_\_\_\_\_  
 Donor negative for: HIV, HCV, HBV, RPR Culture negative for: Gram+, Gram-, Mycoplasm, Fungi

**PLATING:**

Recommended seeding density (million cells/mL): \_\_\_\_\_ Recommended thaw medium: \_\_\_\_\_



Lot \_\_\_\_\_ hours post-plating



Lot \_\_\_\_\_ hours post-plating\*

\*Carboxy-DCFDA was used to visualize the bile canaliculi formation in polarized hepatocytes

**METABOLIC ACTIVITY**

ENZYME	SUBSTRATE	CONCENTRATION ( $\mu$ M)	ENZYME ACTIVITY ( <i>pmole/min/million cells</i> )
CYP1A2	Phenacetin	100	
CYP2B6	Bupropion	500	
CYP2C8	Amodiaquine	20	

## METABOLIC ACTIVITY (cont.)

ENZYME	SUBSTRATE	CONCENTRATION ( $\mu$ M)	ENZYME ACTIVITY ( <i>pmole/min/million cells</i> )
CYP2C9	Diclofenac	25	
CYP2C19	S-mephenytoin	250	
CYP2D6	Dextromethorphan	15	
CYP3A4	Testosterone	100	
CYP3A4	Midazolam	20	
Phase I CYP	7-ethoxycoumarin	100	
SULT	7-hydroxycoumarin sulfation	100	
UGT	7-hydroxycoumarin glucuronidation	100	
AO	Zoniporide	100	

Hepatocytes in suspension (0.5 million/mL) were incubated with substrate at 37°C in 5% CO<sub>2</sub> and 90% humidity for 30 minutes, respectively. The concentrations of the metabolites were determined using LC-MS/MS methods.

The cells from this lot were derived from tissue obtained from accredited institutions. Consent was obtained by these institutions from the donor or the donor's legal next of kin, for use of the tissue and its derivatives for research purposes.



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Najah Abi-Gerges, PhD.  
VP, Research & Development

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Date

**AnaBios**  
Early Human Insights

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## Donor Demographic Form

### *Donor Information*

Age: 30 Ethnicity: Hispanic Sex: Male  
 Height (cm): 175 Weight (kg): 79.3 BMI: 25.9  
 COD: Anoxia/Drug Intoxication

Consent for Research confirmed through visual by AnaBios Coordinator (Yes or No): Yes

### *Past Medical History*


Respiratory Disease No  Yes   
 Cardiac Disease No  Yes   
 Hypertension No  Yes   
 Neurological Disease No  Yes   
 Cancer No  Yes   
 Diabetes No  Yes   
 Liver Disease No  Yes   
 GI Disease No  Yes   
 Kidney Disease No  Yes   
 Urinary Tract Disease No  Yes   
 Tobacco No  Yes   
 Alcohol No  Yes  1 pint of hard liquor on and off for 4-5x/week, sometimes daily, for 5 years  
 Drug Use No  Yes  Smoked or orally ingested Heroin, Marijuana, Fentanyl, and Percocet – used on and off for 1-2 years, last used 9/20/22, unk amount. Found with drug paraphernalia, tox screen positive for THC upon admission.  
 Medication Home No  Yes  Cod Liver oil vitamin daily

Comments Tremors in July or Aug 2022 d/t alcohol withdrawals

### *Serology*

	(Yes/No)	<u>Negative</u>	<u>Positive</u>		(Yes/No)	<u>Negative</u>	<u>Positive</u>
Anti – HCV	Yes	Negative	-	HBs Ab	No	-	-
Anti – HIV 1/2	Yes	Negative	-	HBs Ag	Yes	Negative	-
Anti – HTLV 1/2	No	-	-	RPR/STS/VDRL	Yes	Negative	-
CMV	No	-	-	HCV NAT	Yes	Negative	-
CMV IgG	Yes	-	Positive	HCV RIBA	No	-	-
CMV IgM	No	-	-	HIV NAT	Yes	Negative	-
EBNA	No	-	-	WNV IgM	No	-	-
EBV IgG	Yes	-	Positive	HBV	Yes	Negative	-
EBV IgM	No	-	-	Toxo	Yes	Negative	-
HBc Total	No	-	-	WNV NAT	Yes	Negative	-
HBc Ab IgG	Yes	Negative	-	Chagas	Yes	Negative	-
HBc Ab IgM	No	-	-	SARS-CoV-2	Yes	Negative	-

*Authorized by:*

  
 \_\_\_\_\_  
 Signature

10-10-2022  
 \_\_\_\_\_  
 Date