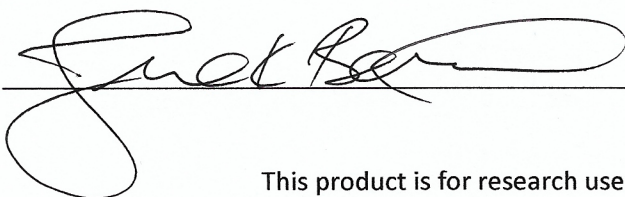


CERTIFICATE OF ANALYSIS – Hepatocyte Medium Product

PRODUCT NAME	Human Hepatocyte Thawing Medium, 50 mL		
PRODUCT CODE	MED-HHTM-50ML	LOT NUMBER	060120
PRODUCTION DATE	060120	EXPIRATION DATE	06/2021

PRODUCT CHARACTERISTICS	
Country of Origin	USA
Storage Conditions	-20°C recommended (-10°C to -90°C acceptable)
Storage Statement	Protect from light
Shipping Conditions	Dry ice
Raw Materials	Reagents meet ASC, USP, or NF standards

QUALITY TEST	SPECIFICATION	RESULT
pH	7.1 – 7.3	7.15
Fill Volume	52 mL ± 2 mL	Pass
Sterility	Negative for bacteria and fungi	Pass
Packaging	Container sealed, no visible damage	Pass
Functional Testing	Pass	Pass

Quality Assurance:  Date: 6-9-20

This product is for research use only.

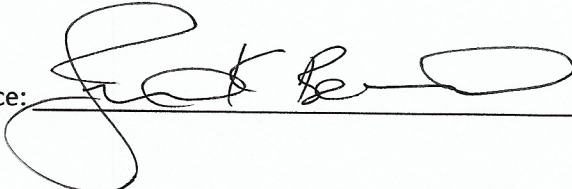
For more information: cells_tissues@lifenethealth.org

CERTIFICATE OF ANALYSIS – Hepatocyte Medium Product

PRODUCT NAME	Human Hepatocyte Plating Medium, 250 mL		
PRODUCT CODE	MED-HHPM-250ML	LOT NUMBER	080320
PRODUCTION DATE	08/03/20	EXPIRATION DATE	02/2022

PRODUCT CHARACTERISTICS	
Country of Origin	USA
Storage Conditions	2° to 8°C
Storage Statement	Protect from light
Shipping Conditions	Refrigerated cold packs or wet ice
Raw Materials	Reagents meet ASC, USP, or NF standards

QUALITY TEST	SPECIFICATION	RESULT
pH	7.1 – 7.3	7.15
Osmolarity	310 – 325 mOsm	318
Fill Volume	255 mL ± 5 mL	255
Sterility	Negative for bacteria and fungi	Pass
Packaging	Container sealed, no visible damage	Pass
Functional Testing	Pass	Pass

Quality Assurance:  _____ Date: 08/10/20

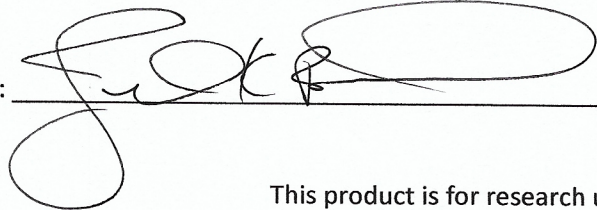
This product is for research use only.

For more information: cells_tissues@lifenethealth.org

PRODUCT NAME	Human Hepatocyte Plating Medium Supplement, 15 mL		
PRODUCT CODE	MED-HHPMS-15ML	LOT NUMBER	080520
PRODUCTION DATE	08/05/20	EXPIRATION DATE	02/2022

PRODUCT CHARACTERISTICS	
Country of Origin	USA
Storage Conditions	-20°C recommended (-10°C to -90°C acceptable)
Storage Statement	Protect from light
Shipping Conditions	Dry ice
Raw Materials	Reagents meet ASC, USP, or NF standards

QUALITY TEST	SPECIFICATION	RESULT
pH	7.1 – 7.3	7.14
Fill Volume	18 mL ± 2 mL	17.9
Sterility	Negative for bacteria and fungi	Pass
Packaging	Container sealed, no visible damage	Pass
Functional Testing	Pass	Pass

Quality Assurance:  Date: 08/10/20

This product is for research use only.

For more information: cells_tissues@lifenethealth.org

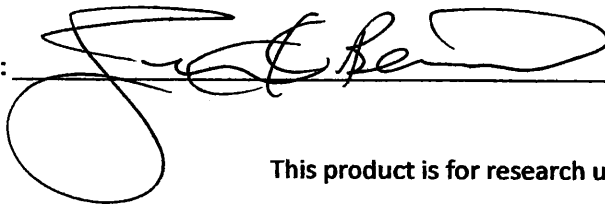
CERTIFICATE OF ANALYSIS – Hepatocyte Medium Product

PRODUCT NAME	Human Hepatocyte Culture Medium, 500 mL		
PRODUCT CODE	MED-HHCM-500ML	LOT NUMBER	071620
PRODUCTION DATE	07/16/20	EXPIRATION DATE	01/2022

PRODUCT CHARACTERISTICS	
Country of Origin	USA
Storage Conditions	2° to 8°C
Storage Statement	Protect from light
Shipping Conditions	Refrigerated cold packs or wet ice
Raw Materials	Reagents meet ASC, USP, or NF standards

QUALITY TEST	SPECIFICATION	RESULT
pH	7.1 – 7.3	7.15
Osmolarity	310 – 325 mOsm	321
Fill Volume	505 mL ± 5 mL	504.5
Sterility	Negative for bacteria and fungi	Pass
Packaging	Container sealed, no visible damage	Pass
Functional Testing	Pass	Pass

Quality Assurance:



Date: 07/19/20

This product is for research use only.

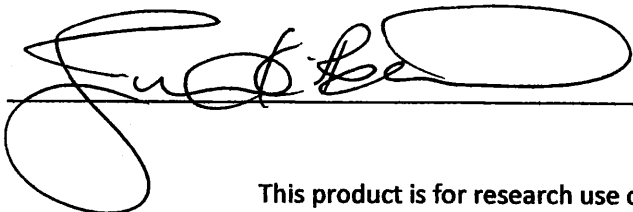
 For more information: cells_tissues@lifenethealth.org

CERTIFICATE OF ANALYSIS – Hepatocyte Medium Product

PRODUCT NAME	Human Hepatocyte Culture Medium Supplement, 5 mL		
PRODUCT CODE	MED-HHCMS-5ML	LOT NUMBER	071520
PRODUCTION DATE	07/15/20	EXPIRATION DATE	01/2022

PRODUCT CHARACTERISTICS	
Country of Origin	USA
Storage Conditions	-20°C recommended (-10°C to -90°C acceptable)
Storage Statement	Protect from light
Shipping Conditions	Dry ice
Raw Materials	Reagents meet ASC, USP, or NF standards

QUALITY TEST	SPECIFICATION	RESULT
pH	7.1 – 7.3	7.15
Fill Volume	5.8 mL ± 0.5 mL	5.8
Sterility	Negative for bacteria and fungi	Pass
Packaging	Container sealed, no visible damage	Pass
Functional Testing	Pass	Pass

Quality Assurance:  Date: 07/19/20

This product is for research use only.

For more information: cells_tissues@lifenethealth.org