

CERTIFICATE OF ANALYSIS

Product Physiologix™ XF Human Growth Factor Concentrate
Product Reference Number HGFC-001
Country of Origin United States
Lot Number 20171220-1
Filtration 0.2 micron
Manufacture Date December/2017
Expiration Date December/2018



GENERAL/STERILITY

TEST	RESULTS	SPECIFICATION
Visual Examination	Satisfactory	Satisfactory
Endotoxin	<0.25 EU/mL	As Reported
Sterility	Sterile	Sterile
Mycoplasma	Not Detected	Not Detected
pH	7.05	As Reported
Total Protein	18.79 mg/mL	As Reported



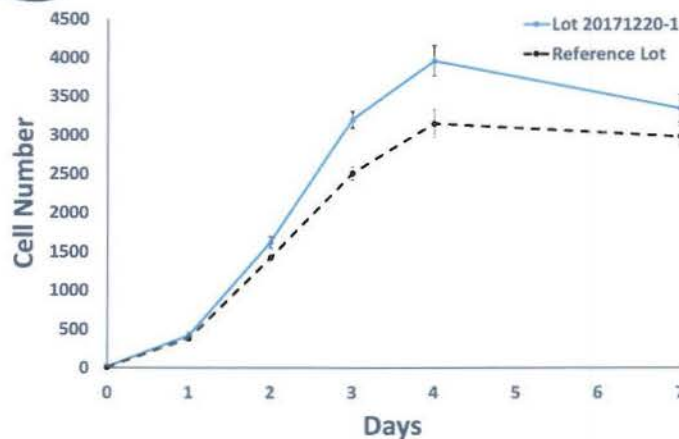
ADVENTITIOUS AGENTS SCREEN

ADVENTITIOUS AGENT	RESULTS	SPECIFICATION
Antibody detection (unexpected antibodies to red cells)	Not Detected	Not Detected
Human Immunodeficiency Virus (HIV) 1 (M and O) & 2	Not Detected	Not Detected
Hepatitis B & C Viruses	Not Detected	Not Detected
Human T-Lymphotropic Virus Types I and II	Not Detected	Not Detected
Treponema pallidum (Syphilis)	Not Detected	Not Detected
Trypanosoma cruzi (Chagas)	Not Detected	Not Detected
West Nile Virus (WNV)	Not Detected	Not Detected
Zika Virus (ZIKV)	Not Detected	Not Detected



FUNCTIONAL PROFILE

Figure 1. Proliferation curve of bone derived mesenchymal stem cells when grown in two lots of Physiologix™ XF hGFC for seven days



Kathi Muela

Kathi Muela
Nucleus Quality Department

Date: 09 FEB 2018

Alyssa Master

Alyssa Master, PhD
Quality Control Department

Date: 09 FEB 2018

For a digital copy, please visit
<https://www.nucleusbiologics.com>

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Nucleus Biologics

sales@nucleusbiologics.com
858.251.2010

