



CERTIFICATE OF ANALYSIS

ATCC® Number: HTB-22™
Lot Number: 63288596

Name: MCF7
Description: Breast Adenocarcinoma
Species: Human (*Homo sapiens*)
Volume/Ampule: Approximately 1 mL
Date Frozen: 19OCT2015
Recovery: A T-75 setup at a dilution of 1:15 reaches approximately 30% confluence in 1 day.
Product Format: Cells cryopreserved in the appropriate cryopreservation medium
Expiration Date: Not applicable
Storage Conditions: Vapor phase of liquid nitrogen

Test / Method	Specification	Result
Ampule passage number	Report results	147
Population doubling level (PDL)	Report results	Not applicable
Total cells/ampule (Cell count using Trypan Blue stain method)	Report results	4.8 x 10 ⁶ total cells/ampule
Post-freeze viability (Cell count using Trypan Blue stain method)	≥ 50.0%	79.8%
Growth properties (Visual observation method)	Mixed – adherent and/or suspension	Mixed – adherent and suspension
Morphology (Visual observation method)	Epithelial-like* and/or rounded	Epithelial-like and rounded
Test for mycoplasma contamination Hoechst DNA stain (indirect) method Agar culture (direct) method PCR-based assay	None detected None detected None detected	None detected None detected None detected
Species determination: COI assay (interspecies)	Human	Human

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Species determination: STR analysis (intraspecies)	Human (Unique DNA Profile) TH01: 6 D5S818: 11, 12 D13S317: 11 D7S820: 8, 9 D16S539: 11, 12 CSF1PO: 10 Amelogenin: X vWA: 14, 15 TPOX: 9, 12	Human (Unique DNA Profile) TH01: 6 D5S818: 11, 12 D13S317: 11 D7S820: 8, 9 D16S539: 11, 12 CSF1PO: 10 Amelogenin: X vWA: 14, 15 TPOX: 9, 12
Sterility test (BacT/ALERT 3D) iAST bottle (aerobic) at 32°C iNST bottle (anaerobic) at 32°C	No growth No growth	No growth No growth
Human pathogenic virus testing (PCR-based assay for HIV, HepB, HPV, EBV, and CMV)	Report results	HIV – None detected HepB – None detected HPV – None detected EBV – None detected CMV – None detected

* Epithelial-like: Any adherent cells of a polygonal shape with clear, sharp boundaries between them.

Quality Assurance Specialist; Quality Assurance

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