



CERTIFICATE OF ANALYSIS

ATCC® Number: HTB-133™
Lot Number: 70036273

Name: T-47D
Description: Breast Cancer
Species: Human (*Homo sapiens*)
Volume/Ampule: Approximately 1 mL
Date Frozen: 06JUL2020
Recovery: A T-75 setup at a seeding density of 3.0×10^4 viable cells/cm² reaches approximately 10% confluence in 1 day and 90% confluence in 5 days.
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	86
Population doubling level (PDL)	Report results	Not applicable
Total cells/ampule (Cell count using Trypan Blue stain method)	Report results	2.6×10^6 total cells/ampule
Post-freeze viability (Cell count using Trypan Blue stain method)	≥ 50.0%	92.5%
Growth properties (Visual observation method)	Adherent	Adherent
Morphology (Visual observation method)	Epithelial-like*	Epithelial-like
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

ATCC
10801 University Boulevard
Manassas, VA 20110-2209 USA
www.atcc.org

800-638-6597 or 703-365-2700
Fax: 703-365-2750
E-mail: tech@atcc.org
or contact your local distributor



CERTIFICATE OF ANALYSIS

ATCC® Number: HTB-133™
Lot Number: 70036273

Species determination: STR analysis (intraspecies)	Human (Unique DNA Profile) TH01: 6 D5S818: 12 D13S317: 12 D7S820: 11 D16S539: 10 CSF1PO: 11, 13 Amelogenin: X vWA: 14 TPOX: 11	Human (Unique DNA Profile) TH01: 6 D5S818: 12 D13S317: 12 D7S820: 11 D16S539: 10 CSF1PO: 11, 13 Amelogenin: X vWA: 14 TPOX: 11
Sterility test (BacT/ALERT 3D) iAST bottle (aerobic) at 32.5°C iNST bottle (anaerobic) at 32.5°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.

Product meets European Union requirements for production of technical blood products.

Quality Assurance Specialist; Quality Assurance

ATCC hereby represents and warrants that the material provided under this certificate is pure and has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and correct to the best of the company's knowledge and belief. This certificate does not extend to the growth and/or passage of any living organism or cell line beyond what is supplied within the container received from ATCC.

This product is intended to be used for laboratory research use only. It is not intended for use in humans, animals, or for diagnostics. Appropriate Biosafety Level (BSL) practices should always be used with this material. Refer to the Product Information Sheet for instructions on the correct use of this product.

ATCC products may not be resold, modified for resale, used to provide commercial services, or to manufacture commercial products without prior written agreement from ATCC.

© 2017 ATCC. The ATCC trademark and trade name are owned by the American Type Culture Collection.

ATCC
10801 University Boulevard
Manassas, VA 20110-2209 USA
www.atcc.org

800-638-6597 or 703-365-2700
Fax: 703-365-2750
E-mail: tech@atcc.org
or contact your local distributor