



# CERTIFICATE OF ANALYSIS

**ATCC® Number:** HTB-126™  
**Lot Number:** 63271338

**Name:** Hs 578T  
**Description:** Breast carcinoma  
**Species:** Human (*Homo sapiens*)  
**Volume/Ampule:** Approximately 1 mL  
**Date Frozen:** 12OCT2015  
**Recovery:** A T-75 setup at a dilution of 1:15 reaches approximately 20% confluence in 3 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
<b>Ampule passage number</b>	Report results	50
<b>Population doubling level (PDL)</b>	Report results	Not applicable
<b>Total cells/ampule</b> (Cell count using Trypan Blue stain method)	Report results	1.4 x 10 <sup>6</sup> total cells/ampule
<b>Post-freeze viability</b> (Cell count using Trypan Blue stain method)	≥ 50%	81.9%
<b>Growth properties</b> (Visual observation method)	Adherent	Adherent
<b>Morphology</b> (Visual observation method)	Epithelial-like*	Epithelial-like
<b>Test for mycoplasma contamination</b> Hoechst DNA stain (indirect) method Agar culture (direct) method PCR-based assay	None detected None detected None detected	None detected None detected None detected
<b>Species determination: COI assay (interspecies)</b>	Human	Human

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<b>Species determination: STR analysis (intraspecies)</b>	<b>Human (Unique DNA Profile)</b> TH01: 9, 9.3 D5S818: 11 D13S317: 11 D7S820: 10 D16S539: 9, 12 CSF1PO: 13 Amelogenin: X vWA: 17 TPOX: 8	<b>Human (Unique DNA Profile)</b> TH01: 9, 9.3 D5S818: 11 D13S317: 11 D7S820: 10 D16S539: 9, 12 CSF1PO: 13 Amelogenin: X vWA: 17 TPOX: 8
<b>Sterility test (BacT/ALERT 3D)</b> iAST bottle (aerobic) at 32°C iNST bottle (anaerobic) at 32°C	No growth No growth	No growth No growth
<b>Human pathogenic virus testing</b> (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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