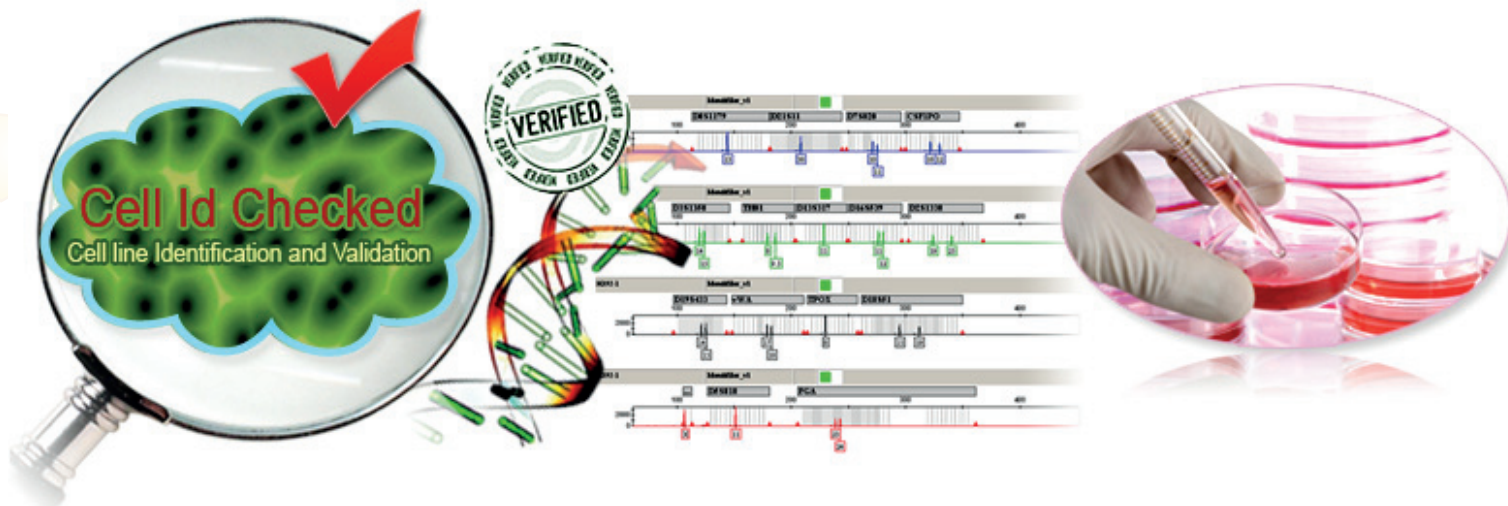


Cell and Tissue Identification and Authentication

From Discovery to the Clinic

The Solution to Cell Lines Identity Crisis...

Cell lines authentication testing prevents misidentification or cross-contamination while satisfying NIH recommendation.



- ▶ Detect mycoplasma contamination
- ▶ Detect viral contamination
- ▶ Detect known mutations and analyse candidate genes
- ▶ Detect intra- and inter-species contamination
- ▶ Enjoy multiple-platform technology in accredited facilities
- ▶ Consult with expert scientific staff free of charge
- ▶ Receive rapid and reliable results in two days
- ▶ Pay as little as \$95/sample

The availability of well-characterized, viable human tissues and cell lines accompanied by pertinent donor data is a prerequisite for a great deal of current biomedical and transplantation research. Unfortunately, the misidentification and cross-contamination of human tissue cell lines occurs frequently. It is estimated that over 20% of all established cell lines are misclassified by cell type or species of origin, and over 33% of all cell lines suffer inter- or intra-species cross-contamination (1-3). To aid clients in need of cell line identity validation, Bio-Synthesis (BSI) offers fast and reliable human cell line authentication services performed at accredited DNA testing facilities by scientists with experience in STR DNA profiling, SNP genotyping, high-resolution Luminex HLA DNA typing, tissue microarray analysis and bioinformatic data analyses. Our commitment to total quality management assures that our scientists employ efficient methods to confirming species' identity and detect cross-contamination, authenticating our client's cell lines in full compliance with NIH recommendations and scholarly journal guidelines.

References:

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3. Cabrera, C.M. et al. (2006) *Cytotechnology* 51, 45–50.

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