

## High Resolution Human Leukocyte Antigen Sequence Based Typing

### Applications

Vaccine Research and  
Development  
Transplantation Diagnostics  
AutoImmune Disease Research  
HIV Research

### Objective

Pure Transplant Solutions  
seeks HLA-related projects  
and partnerships, including  
sequence based typing and  
HLA protein production and  
services.

### Pure Transplant Solutions, L.L.C.

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### High Resolution HLA Typing

Pure Transplant Solutions offers economical Sequence Based Typing (SBT) from our state-of-the-art, CLIA/ASHI certified laboratory. Our SBT service is built on the technology of Dr. William Hildebrand, an early pioneer in HLA sequencing who holds foundational intellectual property in the field.

Our Sequence Based Typing is a cost effective solution for:

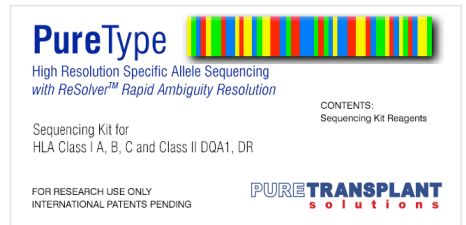
- Vaccine Research and Development
- Transplantation Diagnostics
- AutoImmune Disease Research
- HIV Research

We use the gold standard DNA sequencing method and have typed over 35,000 tissues to date. PTS has clinical, validated methods for Class I (HLA-A, -B, -C) and Class II (HLA-DRB1, -DRB3,4,5, -DQB1, -DQA1).

PTS has recently expanded our operations, incorporating newly developed methods, equipment, and technologies to provide more efficient and cost effective services. We accept all specimens containing genomic DNA or nucleated cells, including oral swabs.

We offer both research and clinical resolutions to meet your specific needs.

In addition to our HLA typing service, we also offer easy-to-use Pure Type kits.



PureType kits include all necessary reagents, controls, and protocols except the 1:16 diluted sequencing dye. These kits can be configured to meet the specific typing needs of virtually any HLA project.

### Additional Services

Dr. Hildebrand has also developed a unique method to clone and produce soluble HLA (sHLA) protein. This innovative method enables production of large quantities of these immune surveillance proteins, providing powerful insight into the workings of diseased cells. Our proprietary sHLA production method generates pure, single species antigens and greatly increases yield while still maintaining correct processing.