

ABI Prism 7000 Sequence Detection System

 **Tutorial on CD!** – “ABI Prism 7000 SDS [OPERATOR TRAINING](#)”; you may sign out a copy of this CD from the Genomics Facility and burn your own copy. 

Useful links at Applied Biosystems:

- ABI Technical Support, Main Page: <https://www2.appliedbiosystems.com/support/>
- FAQ's: http://faqs.appliedbiosystems.com/cgi-bin/appliedbio.cfg/php/enduser/std_alp.php
- Training from ABI: https://www2.appliedbiosystems.com/service/training/training_na.cfm
- Products and Service Literature: <http://docs.appliedbiosystems.com/search.taf>
- Tools & Tutorials: <http://www.appliedbiosystems.com/support/apptech/>

Products and Service Literature: For technical documents directly related to this instrument, make the following selections from the “Products and Service Literature” page:

1. Product Market Line: “Sequence Detection/Real Time PCR”; and,
2. Product: “ABI PRISM® 7000 Sequence Detection System”.

Examples of available documents:

- Real-Time PCR Vs. Traditional PCR: **Guide.**
- Essentials of Real Time PCR: **Guide.**
- Selection of Reagents for Real-Time PCR: **Guide.**
- Reconstituting and Diluting Primers and TaqMan® Probes: **Guide.**
- Creating Standard Curves with Genomic DNA or Plasmid DNA Templates for Use in Quantitative PCR: **Guide.**
- Applied Biosystems Real-Time PCR Rapid Assay Development Guidelines: **Guide.**
- Guide to Performing Relative Quantitation of Gene Expression Using Real-Time Quantitative PCR: **Guide.**
- Designing TaqMan® MGB Probe and Primer Sets for Allelic Discrimination Assays Using Primer Express® Software Version 2.0: **Guide.**
- Allelic Discrimination: Pre-Developed TaqMan® Assay Reagents: **Quick Reference Card.**
- Assays-by-Design Service For SNP Assays: **Quick Reference Card.**
- Assays-by-Design Service For Gene Expression Assays: **Quick Reference Card.**

Tools & Tutorials – *examples of available support materials:*

- DNA Sequencing/Genotyping.
- PCR Applications.
 - ❖ T_m Calculator.
 - ❖ PCR Optimization: Reaction Conditions and Components (pdf).
 - ❖ Quantitative Analysis of the PCR Reaction (pdf).
- Real-Time PCR / TaqMan® Genomic Assays.
 - ❖ Getting Started with Real-Time PCR.
 - ❖ Applications.
 - ❖ TaqMan® Genomic Assays.
 - ❖ Primer and Probe Design.
 - ❖ Reagent Preparation.
- Sample Preparation Systems.
- Thermal Cyclers.