

# Applied Biosystems™ 3500/3500xL Genetic Analyzers: Performance Check Options

This Technical Bulletin describes what options are available for a performance check on the Applied Biosystems™ 3500 Series Genetic Analyzer. Step-by-step instructions on how to run a performance check can be found in the [Applied Biosystems™ 3500/3500xL Genetic Analyzer with 3500 Series Data Collection Software 3.1 User Guide \(Cat. No. 4405186\)](#).

<b>Applied Biosystems™ 3500 Data Collection v.1.0</b>				
	<b>50 cm Array</b>		<b>36 cm Array</b>	
	<b>Polymer</b>	<b>Chemistry</b>	<b>Polymer</b>	<b>Chemistry</b>
General Sequencing	POP™-7	BigDye™ Terminator v.3.1		
MicroSeq™ ID	POP™-6	BigDye™ Terminator v.1.1		
Fragment Analysis	POP™-7	DS-33 Installation Standard		
HID			POP™-4	AmpFISTR™ Identifiler™ Allelic Ladder
<b>Applied Biosystems™ 3500 Data Collection v.2.0</b>				
	<b>50 cm Array</b>		<b>36 cm Array</b>	
	<b>Polymer</b>	<b>Chemistry</b>	<b>Polymer</b>	<b>Chemistry</b>
General Sequencing	POP™-7	BigDye™ Terminator v.3.1		
BDT v.1.1 POP™-6	POP™-6	BigDye™ Terminator v.1.1		
MicroSeq™ ID	POP™-6	BigDye™ Terminator v.1.1		
Fragment Analysis	POP™-7	DS-33 Installation Standard		
HID			POP™-4	AmpFISTR™ Identifiler™ Allelic Ladder
<b>Applied Biosystems™ 3500 Data Collection v.3.X</b>				
	<b>50 cm Array</b>		<b>36 cm Array</b>	
	<b>Polymer</b>	<b>Chemistry</b>	<b>Polymer</b>	<b>Chemistry</b>
BDT v.3.1 (General Sequencing)	POP™-7	BigDye™ Terminator v.3.1	POP™-7	BigDye™ Terminator v.3.1
BDT v.3.1 (General Sequencing)			POP™-4	BigDye™ Terminator v.3.1
BDT v.1.1	POP™-7	BigDye™ Terminator v.3.1		
BDT v.1.1	POP™-6	BigDye™ Terminator v.1.1	POP™-6	BigDye™ Terminator v.1.1
MicroSeq™ ID	POP™-6	BigDye™ Terminator v.1.1		
Fragment Analysis	POP™-7	DS-33 Installation Standard		
HID			POP™-4	AmpFISTR™ Identifiler™ Allelic Ladder

Applied Biosystems™ 3500 Genetic Analyzer array information is for the 8 and 24 capillary arrays.  
BigDye™ Terminator v.3.1 = BigDye™ Terminator v.3.1 Sequencing Standard Kit for 3500 Series Genetic Analyzers (Cat. No. 4404312)  
BigDye™ Terminator v.1.1 = BigDye™ Terminator v.1.1 Sequencing Standard Kit for 3500 Series Genetic Analyzers (Cat. No. 4404314).  
DS-33 Installation Standard = DS-33 GeneScan™ Installation Standards with GeneScan™ 600 LIZ™ Size Standard v.2.0 (Cat. No. 4376911).