

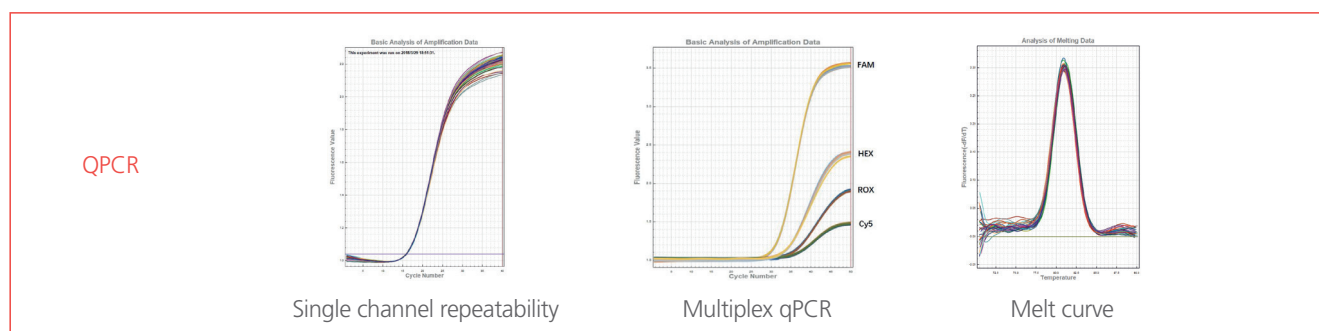
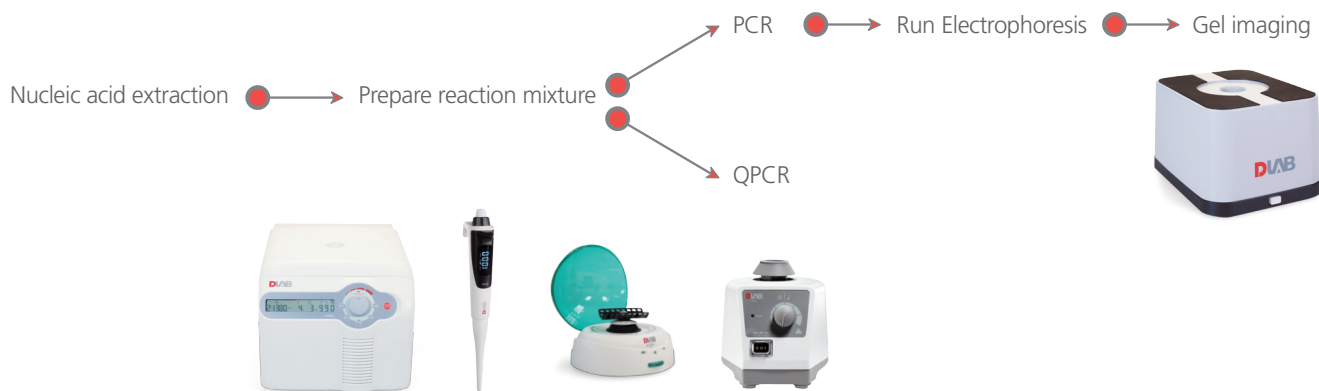
PCR technology is a molecular biology technique for amplifying DNA molecules in vitro. It is mainly used to amplify DNA segments located between two known sequences. PCR technology has been widely used gene cloning, pathogen detection, gene expression and other aspects of many fields such as scientific research, clinical testing, quality control, forensic identification and so on. Appropriate fluorescent dyes were added into the qPCR mixture, QPCR instrument can detect the fluorescence changes during the amplification process real time to qualitative and quantitative the original template.

List of DLAB models:



Product Name	Thermal Cycler Gradient	Thermal Cycler Standard	Real-Time PCR System	
Model	TC1000-G	TC1000-S	Accurate96-X4/X6	Accurate 16-T
Sample Capacity	96x0.2ml	96x0.2ml	96x0.1ml	16x0.2ml
Gradient Temp. Setting range	30-99°C	-	30-100°C	-
Channel	-	-	X4-4, X6-6	Standard-2
Page	P.29	P.29	P.31	P.32

Detection process



Dry bath provides precise temperature for various experiments. Thermo mix also has mixing function, and it widely used in various fields such as molecular biology and cell biology, including gene synthesis, gene purification, gene cloning, gene expression, protein expression analysis, enzyme reaction, bacterial growth and so on.

List of DLAB models:

Model	Image	Function	Temp. Setting Range	Mixing speed	Blocks	Page
HB60-S		Heating	25°C,30°C, 37°C,45°C,60°C,	-	5ml×30+15ml×8	P.35
HB120-S		Heating	25°C-120°C	-	0.2ml×54 0.5ml×40 1.5/2ml×40 5/15ml×28 5ml blood collection tubex45 50ml×8 (0.2ml+0.5ml+1.5/2ml)×18 0.2ml×96 Microplate Bead/water bath	P.34
HB105-S1/ S2		Heating	25°C-105°C	-	0.2ml×30 0.5ml×20 1.5ml×20 2ml×20 15ml×12 50ml×4 Bead/water bath	P.36
HB150-S1/ S2		Heating	25°C-150°C	-	0.2ml×30 0.5ml×20 1.5ml×20 2ml×20 15ml×12 50ml×4 Bead/water bath	P.36
H100-Pro		Heating	25°C-100°C	-		P.39
HC110-Pro		Heating& Cooling	-5°C-110°C	-	0.5ml×24 1.5ml×24 2ml×24 5ml×5 15ml×8 50ml×4 0.2ml×96 Microplate	P.38
HCM100-Pro		Heating& Cooling& Mixing	0°C-100°C	200-1500rpm		P.39
HM100-Pro		Heating& Cooling	15°C-100°C	200-1500rpm		P.39
Mini H100		Heating	25°C-100°C	-	0.2ml×40 0.5ml×24 1.5ml×15 2ml×15 5ml×6 15ml×4 50ml×2	P.37
Mini HC100		Heating& Cooling	0°C-100°C	-		P.37
Mini HCL100		Heating& Cooling	0°C-100°C	-		P.37