

QuantStudio 7 Flex 和 QuantStudio 6 Flex

实时荧光定量 PCR 仪

The power of optimized results across diverse applications

为现在、明天和以后的应用赋予充足灵活性

QuantStudio 6 Flex 实时荧光定量PCR系统

QuantStudio 6 Flex实时荧光定量PCR仪非常适合具有多种应用的实验室而预算有限的用户。

QuantStudio 6 Flex 系统具有可升级至 QuantStudio 7 Flex系统的潜力，以适应自动化无人值守工作或TaqMan阵列卡检测要求。

应对未来实验需求的可能变化，QuantStudio 6 Flex系统是理想的qPCR平台。



主要优势

系统应用的灵活性，可最大限度地节省预算投资
一台仪器可以完成标准96孔、快速96孔和384孔实验模式的转换

操作简便，无需冗长的学习培训

直观的软件、简单的触摸屏设置和轻松的样品模块块更换，
初学者也很快熟练掌握仪器使用。

可靠的性能

DQuantStudio 6 Flex系统在单重荧光定量反应（singleplex）中区分反应中细微至1.5倍的数量变化，动态检测范围达到10对数数量级。

必要时可升级系统功能

QuantStudio 6 Flex 系统可由现场服务工程师无缝升级到 QuantStudio 7 Flex，提升系统的自动化水平和检测通量、多重荧光定量分析能力（multiplex qPCR）。

应用聚焦

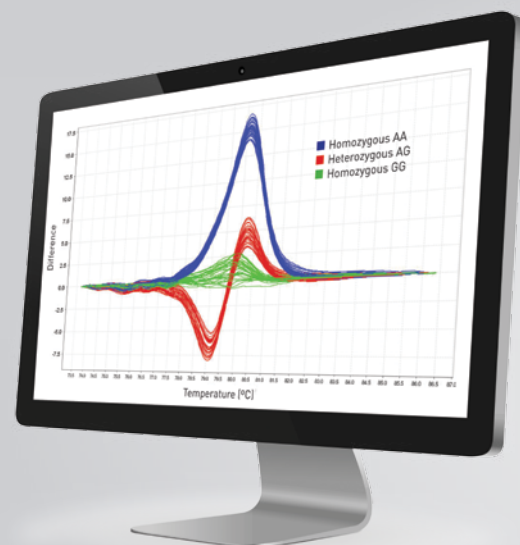
通过高分辨率熔解曲线分析技术快速准确鉴定更多新的基因突变

高分辨率熔解曲线分析（High resolution melt, HRM）基于检测PCR产物的熔解

（DNA双链的解离）曲线中的微小差异。它通过改进的 dsDNA 结合染料与实时荧光定量 PCR 仪器精确的升温控制和先进的数据采集性能相结合使用而实现。

HRM的技术优势

- 试剂和样品消耗量低
- 工作流程快速简便
- 无需优化热循环条件



当对仪器的多功能性有更多需求.....

随着额外的荧光染料、反应模块和自动化工作能力的需求，从应用程序转移到应用程序现在比以往任何时候都更容易。

QuantStudio 7 Flex 实时荧光定量PCR系统

QuantStudio 7Flex系统提供了可验证的ViiA 7系统的可靠性、灵敏度和准确性。系统经过优化，可适应最广泛的定量PCR应用。



主要优势

功能更多效率更高 more, faster

QuantStudio 7 Flex实时荧光定量 PCR系统可与Twister机器人整合，构建全自动检测平台。轻松运行数百个反应低密度TaqMan阵列卡，最大限度提高实验通量。

应用的高度多面

优化的实验方案、试剂和直观的软件，助力最广泛的应用，包括：

- 因表达水平检测
- 变检测
- RM分析
- NP基因分型
- 长链非编码RNA(Long non-coding RNAs , lncRNA)分析
- 级转录物分析(pri-miRNA)分析
- icroRNA分析
- 白热变性分析

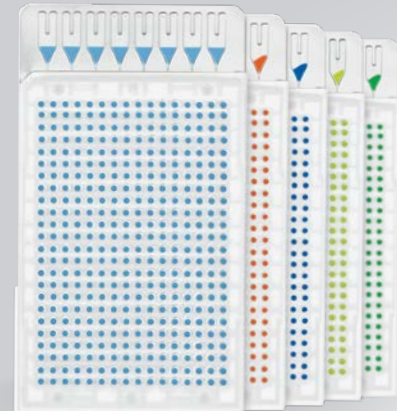
结果可信赖

非藕联式Opt iFlex荧光检测系统(decoupled excitation and emission filter channels)，光路的6个激发滤镜和6个发射滤镜相互独立，可根据荧光染料光谱特征优化组合成多达21中检测通道，实现荧光基因选择和多重实时荧光定量PCR分析应用的极大灵活性孔。

应用聚焦

识别有助于免疫反应的新途径

TaqMan人类免疫阵列卡(TaqMan Human Immune Array Card)是一种经济有效、易于使用的微流控卡，用于对已知对免疫反应有影响的靶点进行定量基因表达分析。TaqMan人类免疫阵列卡上的基因靶标包括细胞因子、趋化因子、生长因子、免疫调节因子、细胞凋亡标记物、缺血标记物、组织特异性标记物等，包括经典的内源性标记。



实时荧光定量PCR应用

R实时荧光定量PCR用于核酸靶标的灵敏、特异性检测和定量。QuantStudio Flex系统强大的分析设计算法、优化的预混液、直观的数据分析软件和灵活的仪器，帮助利用qPCR分析应对丰富多样的应用，为您基于qPCR的研究找到解决方案。

传染病研究

See our growing catalog of sensitive, specific real-time PCR probe and primer sets for human viruses and other areas of infectious disease research.

食品病原体检测

Detect multiple bacteria in the same run, including *Salmonella*, *Campylobacter*, *E. coli* O157:H7, *Listeria monocytogenes*.

水传播病原体检测

Designed to detect and monitor waterborne pathogens in recreational and drinking water supplies.

药物分析

Designed to detect mycoplasmas, viruses, and residual host cell contamination for pharmaceutical, cosmetics, and personal care product manufacturing.

有价值的新型应用分析解决方案

A growing menu of new and valuable content for you to use on your high-throughput real-time PCR systems, including pharmacogenomics, vaginal microbiota, and *CFTR* mutation analysis.

干细胞研究

Solutions for analyzing stem cells, determining stemness, and studying gene regulation and translation in stem cells.

药物基因组学研究

Pre-designed Applied Biosystems™ TaqMan® Assays for more than 175 ADME and CYP targets, including >95% of ADME core markers and a warfarin metabolism panel.

肿瘤学和遗传学研究

Enabling robust, reliable detection and quantitation of markers for cancer and genetic diseases.

植物科学和农业生物技术

Instruments, reagents, and kits designed for plant researchers that enable remarkable agricultural discoveries—from improved crops that feed more people to sustainable biofuels.

其他关键应用包括基因表达、基因分型和测序等。

技术规格

	QuantStudio 6 Flex system	QuantStudio 7 Flex system
Block configuration	96-well, 96-well Fast, 384-well	96-well, 96-well Fast, 384-well, TaqMan Array Card
Dimensions (H x W x D)	73.8 x 50.1 x 66.1 cm	73.8 x 50.1 x 66.1 cm
Block change design	Block change from front in less than 1 min; no tools required	Block change from front in less than 1 min; no tools required
Run time	30 min (96-well Fast) 35 min (384-well)	30 min (96-well Fast) 35 min (384-well)
Ramp-up rates	3.9°C/sec (96-well) 6.5°C/sec (96-well Fast) 3.5°C/sec (384-well)	3.9°C/sec (96-well) 6.5°C/sec (96-well Fast) 3.5°C/sec (384-well) 4.3°C/sec (TaqMan Array Card)
Ramp-down rates	3.6°C/sec (96-well) 6.0°C/sec (96-well Fast) 3.0°C/sec (384-well)	3.6°C/sec (96-well) 6.0°C/sec (96-well Fast) 3.0°C/sec (384-well) 3.7°C/sec (TaqMan Array Card)
Well-to-well variability	±0.25°C	±0.25°C
Excitation source	OptiFlex System lamp	OptiFlex System lamp
Detection channels	Excitation 455–672 nm Emission 505–723 nm	Excitation 455–672 nm Emission 505–723 nm

订购信息

Product	Cat. No.	Instrument + 1-year extended warranty with AB Assurance Cat. No.*
QuantStudio 6 Flex 96-Well Real-Time PCR System, laptop configuration	4485689	A27163
QuantStudio 6 Flex 96-Well Fast Real-Time PCR System, laptop configuration	4485699	A27161
QuantStudio 6 Flex 384-Well Real-Time PCR System, laptop configuration	4485691	A27960
QuantStudio 6 Flex 96-Well Real-Time PCR System, desktop configuration	4485692	A27146
QuantStudio 6 Flex 96-Well Fast Real-Time PCR System, desktop configuration	4485697	A27162
QuantStudio 6 Flex 384-Well Real-Time PCR System, desktop configuration	4485694	A27958
QuantStudio 7 Flex 96-Well Real-Time PCR System, laptop configuration	4485688	A27154
QuantStudio 7 Flex 96-Well Fast Real-Time PCR System, laptop configuration	4485698	A27155
QuantStudio 7 Flex 384-Well Real-Time PCR System, laptop configuration	4485695	A27152
QuantStudio 7 Flex TaqMan Array Card Real-Time PCR System, laptop configuration	4485700	A27150
QuantStudio 7 Flex 96-Well Real-Time PCR System, desktop configuration	4485690	A27157
QuantStudio 7 Flex 96-Well Fast Real-Time PCR System, desktop configuration	4485693	A27156
QuantStudio 7 Flex 384-Well Real-Time PCR System, desktop configuration	4485701	A27153
QuantStudio 7 Flex TaqMan Array Card Real-Time PCR System, desktop configuration	4485696	A27151
QuantStudio 6/7 Flex 96-Well Block Upgrade Kit	4453543	NA
QuantStudio 6/7 Flex 96-Well Fast Block Upgrade Kit	4453544	NA
QuantStudio 6/7 Flex 384-Well Block Upgrade Kit	4453545	NA
QuantStudio 7 Flex TaqMan Array Card Block Upgrade Kit	4453546	NA

* Includes SmartStart orientation.

配套耗材

96-well block	Cat. No.	96-well block Fast	Cat. No.	384-well block	Cat. No.
MicroAmp EnduraPlate Optical 96-Well Clear Reaction Plates with Barcode	4483354	MicroAmp EnduraPlate Optical 96-Well Fast Clear Reaction Plates with Barcode	4483485	MicroAmp EnduraPlate Optical 384-Well Clear Reaction Plates with Barcode	4483285
MicroAmp Optical 96-Well Reaction Plate with Barcode	4306737	MicroAmp Fast Optical 96-Well Reaction Plate with Barcode, 0.1 mL	4346906	MicroAmp Optical 384-Well Reaction Plate with Barcode	4309849
MicroAmp Optical 8-Tube Strip with Attached Optical Caps, 0.2 mL	A30588	MicroAmp Fast 8-Tube Strip	4358293	MicroAmp Optical 384-Well Reaction Plate	4343370
MicroAmp Optical Adhesive Film	4360954	MicroAmp Optical 8-Cap Strips	4323032	MicroAmp Optical Adhesive Film	4360954
		MicroAmp Optical Adhesive Film	4360954		

售后服务计划速浏览

	维修中心服务计划*			现场服务计划	
	AB Repair Center Support Plus	AB Repair Center Support Plus Care	AB Maintenance Plus	AB Assurance	AB Complete
On-site response time			Target 2 business days**	Guaranteed 2 business days**	Guaranteed next business day**
Scheduled on-site planned maintenance (PM)		✓	✓	✓	✓
Remote diagnostics	✓	✓	✓	✓	✓
Parts, labor, and travel for repair included	✓	✓	10% discount optional add-on in selected regions	✓	✓
Computer repair and replacement included	✓	✓		✓	✓
Priority access to Tech Support (Mon–Fri, 8 a.m.—5 p.m. local time)	✓	✓		✓	✓
Priority access to Remote Service Engineer	✓	✓		✓	✓
Requalification post-PM and critical repairs					✓
Field Application Scientist consultation					✓
Loaner instrument issued during repair (Repair Center plans only)	✓	✓			

* Repair Center service plans available for QuantStudio 3 and 5 Real-Time PCR Systems only.

** Response times vary by region.