Block change design Block change from front of instrument in less than 1 min; no secondary tools required Temperature uniformity ±0.5°C, within 30 sec of reaching temperature set point Run time -35 min for 384-well, -30 min for 0.2 mL 96-well and 0.1 mL Fast 96-well (using Applied Biosystems* Fast Master Mix) Demonstrated sensitivity Down to 1 copy Opported applications Standard curve, Comparative Cr, Genotyping, Presence/Absence, HRM, Melt curve Resolution Detect changes as little as 1.5-fold in target quantities in singleplex reactions Supported blocks and volume 56-well fast (10-30 µL reactions) 384-well (5-20 µL reactions) 204-gendic Cards (-1 µL reactions) 12 FFR p11 enablement Security and auditing features for instrument data Power 100-240 V, -50/60 Hz Automation Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies) Remote notification Emails user when run is started, stopped, or aborted Dia export format Emails user when run is started, stopped, or aborted Dia mension (Wx Dx H) 53.5 m(21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in) Weight 6.6 kg 184 b)	Specifications	
Run time ~35 min for 384-well, ~30 min for 0.2 mL 96-well and 0.1 mL Fast 96-well (using Applied Biosystems® Fast Master Mix) Demonstrated sensitivity Down to 1 copy Dynamic range Up to 9 logs of linear dynamic range Supported applications Standard curve, Comparative Cr., Genotyping, Presence/Absence, HRM, Melt curve Resolution Detect changes as little as 1.5-fold in target quantities in singleplex reaction Supported blocks and volume 96-well standard [10-100 µL reactions] 96-well Fast [10-30 µL reactions] 384-well [5-20 µL reactions] 120 µL reac	Block change design	Block change from front of instrument in less than 1 min; no secondary tools required
Demonstrated sensitivity Down to 1 copy Dynamic range Up to 9 logs of linear dynamic range Supported applications Standard curve, Comparative C _n , Genotyping, Presence/Absence, HRM, Melt curve Resolution Detect changes as little as 1.5-fold in target quantities in singleplex reaction Supported blocks and volume 96-well standard [10-100 μL reactions] 96-well Fast [10-30 μL reactions] 384-well [15-20 μL reactions] 17-30 μL reactio	Temperature uniformity	±0.5°C, within 30 sec of reaching temperature set point
Dynamic range Up to 9 logs of linear dynamic range Supported applications Standard curve, Comparative C _n , Genotyping, Presence/Absence, HRM, Melt curve Resolution Detect changes as little as 1.5-fold in target quantities in singleplex reaction Supported blocks and volume 96-well standard [10-100 μL reactions] γ6-well Fast [10-30 μL reactions] Excitation/detection wavelengths 6 excitation [450-670 nm] γ6-wince Fluidic Cards [-1 μL reactions] 21 CFR p11 enablement Security and auditing features for instrument data Power 100-240 V, -50/60 Hz Automation Includes plate-loading arm w/ barcode [sales, service, and support provided by Life Technologies] Remote monitoring Ability to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Fully configurable by user Dimension (W x D x H) 53.3 cm [21 in] x 63.5 cm [25 in] x 64.5 cm [25.4 in]	Run time	~35 min for 384-well, ~30 min for 0.2 mL 96-well and 0.1 mL Fast 96-well (using Applied Biosystems® Fast Master Mix)
Supported applications Standard curve, Comparative C₁, Genotyping, Presence/Absence, HRM, Melt curve Resolution Detect changes as little as 1.5-fold in target quantities in singleplex reaction Supported blocks and volume 96-well standard [10-100 μL reactions] γ6-well Fast [10-30 μL reactions] 384-well [5-20 μL reactions] 17aqMan* Array Micro Fluidic Cards [-1 μL reactions] Excitation/detection wavelengths c excitation [450-670 nm] 6 emission [500-720 nm] 21 CFR p11 enablement Security and auditing features for instrument data Power 100-240 V, -50/60 Hz Automation Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies) Remote monitoring Ability to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Fully configurable by user Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Demonstrated sensitivity	Down to 1 copy
ResolutionDetect changes as little as 1.5-fold in target quantities in singleplex reactionSupported blocks and volume%6-well standard (10–100 μL reactions) 96-well Fast (10–30 μL reactions) 384-well (5–20 μL reactions) 17aqMan* Array Micro Fluidic Cards (-1 μL reactions) 17aqMan* Array Micro Fluidic Cards (-1 μL reactions)Excitation/detection wavelengths6 excitation (450–670 nm) 6 emission (500–720 nm)21 CFR p11 enablementSecurity and auditing features for instrument dataPower100–240 V, -50/60 HzAutomationIncludes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies)Remote monitoringAbility to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life TechnologiesRemote notificationEmails user when run is started, stopped, or abortedData export formatFully configurable by userDimension (W x D x H)53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Dynamic range	Up to 9 logs of linear dynamic range
Supported blocks and volume96-well standard (10-100 μL reactions) 96-well Fast (10-30 μL reactions) 384-well (5-20 μL reactions) TaqMan* Array Micro Fluidic Cards (-1 μL reactions)Excitation/detection wavelengths6 excitation (450-670 nm) 6 emission (500-720 nm)21 CFR p11 enablementSecurity and auditing features for instrument dataPower100-240 V, ~50/60 HzAutomationIncludes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies)Remote monitoringAbility to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life TechnologiesRemote notificationEmails user when run is started, stopped, or abortedData export formatFully configurable by userDimension (W x D x H)53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Supported applications	Standard curve, Comparative C _t , Genotyping, Presence/Absence, HRM, Melt curve
96-well Fast (10–30 μL reactions) 384-well (5–20 μL reactions) TaqMan* Array Micro Fluidic Cards (-1 μL reactions) Excitation/detection wavelengths 6 excitation (450–670 nm) 6 emission (500–720 nm) 21 CFR p11 enablement Security and auditing features for instrument data Power 100–240 V, -50/60 Hz Automation Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies) Remote monitoring Ability to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Resolution	Detect changes as little as 1.5-fold in target quantities in singleplex reaction
21 CFR p11 enablement Security and auditing features for instrument data Power 100–240 V, ~50/60 Hz Automation Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies) Remote monitoring Ability to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Fully configurable by user Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Supported blocks and volume	96-well Fast (10–30 µL reactions) 384-well (5–20 µL reactions)
Power 100-240 V, ~50/60 Hz Automation Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies) Remote monitoring Ability to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Fully configurable by user Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Excitation/detection wavelengths	, , , , , , , , , , , , , , , , , , , ,
Automation Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies) Remote monitoring Ability to monitor 15 instruments at a time; optional Smart Monitoring Service for remote instrument diagnostic monitoring by Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Fully configurable by user Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	21 CFR p11 enablement	Security and auditing features for instrument data
Remote monitoring Life Technologies Remote notification Emails user when run is started, stopped, or aborted Data export format Fully configurable by user Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Power	100–240 V, ~50/60 Hz
Remote notificationEmails user when run is started, stopped, or abortedData export formatFully configurable by userDimension (W x D x H)53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Automation	Includes plate-loading arm w/ barcode (sales, service, and support provided by Life Technologies)
Data export format Fully configurable by user 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Remote monitoring	
Dimension (W x D x H) 53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)	Remote notification	Emails user when run is started, stopped, or aborted
	Data export format	Fully configurable by user
Weight 66.9 kg [148 lb]	Dimension (W x D x H)	53.3 cm (21 in) x 63.5 cm (25 in) x 64.5 cm (25.4 in)
	Weight	66.9 kg (148 lb)

Ordering information

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Instrument systems	P/N
Applied Biosystems® ViiA™ 7 Real-Time PCR System with 384-Well Block	4453536
Applied Biosystems® ViiA™ 7 Real-Time PCR System with TaqMan® Array Block	4453537
Applied Biosystems® ViiA™ 7 Real-Time PCR System with 96-Well Fast Block	4453535
Applied Biosystems® ViiA™ 7 Real-Time PCR System with 96-Well Block	4453534
Accessories	
ViiA [™] 7 System Automation Accessory Robot [100–240 V]	4453551
384-Well Block Upgrade Kit	4453545
TaqMan® Array Upgrade Kit	4453546
96-Well Fast Block Upgrade Kit	4453544
96-Well Block Upgrade Kit	4453543
Services	
1-Year Extended Warranty, ViiA™ 7 System	ZG61SCVIIA7
Software add-ons	
ViiA [™] 7 Software HRM Module	4453724
ViiA [™] 7 Software 21 CFR Part 11 Module	4453723

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