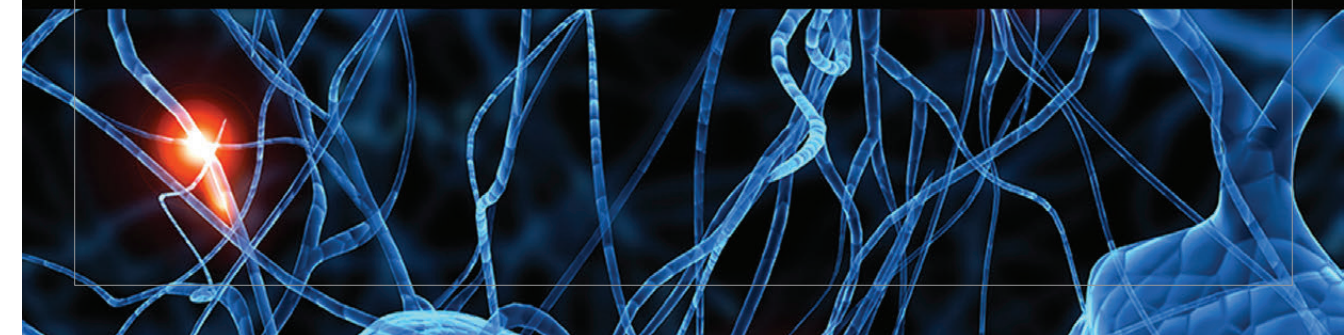


Sean Zimmerman
Experience Design Center
Lead Visual Designer



Sean Zimmerman
Principal Visual Designer

408.476.2576 Mobile
Thermo Fisher Scientific
January 2013 - present

About me

Lead visual designer of product UI in the Life Sciences Group (Experience Design Center), focussing on instrument user interfaces. I also design web analysis software (both desktop and cloud connected) as well as mobile applications that accompany these devices.

Skills

- Touch Screen UIs
- System Creation
- Art Direction
- Heuristic Evaluations
- User Interactivity
- User Experience
- Usability Testing
- E-Commerce Websites
- Driving Requirements
- Design Specifications
- Standards Documentation
- Story Boarding
- Figma Software
- Sketch Software
- Adobe Photoshop
- Adobe Illustrator

Products designed

Applied Biosystems Family of products:

- ProFlex PCR System
- SimpliAmp Thermal Cycler
- MiniAmp Thermal Cycle
- VeritiPro Thermal Cycler
- PCR Essentials Mobile App
- QuantStudio 3 and 5 Real Time PCR Instruments
- QuantStudio 6 and 7 Pro Real Time PCR Instruments
- QuantStudio Desktop Software
- Instrument Connect Mobile app
- QuantStudio 3D Digital PCR System
- SeqStudio Genetic Analyzer System
- SeqStudio Flex Genetic Analyzer System

Invitrogen Family of products:

- iBlot 2 Gel Transfer Device
- iBright Imaging Systems (3 versions)
- Qubit 3 Fluorometer
- Qubit 4 Fluorometric Quantitation
- e-Gel Power Snap System
- Evos Cell Imaging Systems
- Evos M5000 Microscope
- Attune NXT Software

Thermo Scientific Family of products:

- PlasmidPro Instrument
- Citius eUI designs
- Citius desktop software design
- HyPerforma Single-Use Mixing Platforms (Bioprocessing)

Ion Torrent Family of products:

- Ion Chef System
- Ion S5 and S5 XL Sequencer Systems
- Ion Torrent Genexus System
- Ion Torrent Genexus Purification System

Gibco Family of products (Cell Therapy):

- Gibco Xenon Instrument (foundation design)
- Gibco DynaCollect Instrument (Created brand new design system)
- CellMation Cell Therapy

Honors & Awards

Currently, co-inventor of 19 Patents across multiple scientific instruments

Gibco DynaCollect Instrument

- 2023 R&D 100 Award (Process/Prototyping Category)
- Pharma Innovation Award (Cell and Gene Therapy)
- Biotech Breakthrough (Clinical Immunology Solution of the Year)
- Edison Award (2024 Nomination Spotlight for Health, Medical, & Biotech)

SeqStudio Flex Genetic Analyzer

- 2023 Scientists Choice Awards (Best New Life Sciences Product)

QuantStudio /7 qPCR Instrument

- LSIA 2019 Award (Most Innovative New Product for Genomics)

PCR Remote Access for Mobile Applications

- 2014 Davey Award (Mobile Gold Award)



AppliedBiosystems
Thermal Cyclers

Multi-Instrument Run

Instrument Name	Block Type	IP Address	Status
22800150323232 SA	96 well	123.456.789.152	Ready
22800150323232 TA	96 well	123.456.789.152	Ready
22800150323232 PO	384 well	969.262.546.555	Ready
22800150323232 NZ	384 well	969.262.546.555	Ready
22800150323232 UA	384 well	969.262.546.555	Ready
22800150323232 QO	384 well	969.262.546.555	Ready
22800150323232 MI	384 well	969.262.546.555	Ready

Refresh list Cancel Start run

Template: AmpliTaq_360

Run ID: 2019_07_15_134817 Cover: 105°C Volume: 50µL

Stage 1		Stage 2		Stage 3	
94.0°C	00:03:00	95.0°C	00:00:30	58.0°C	00:00:30
				72.0°C	00:01:00
				72.0°C	00:07:00
				42.0°C	∞
1x		35x		1x	

Actions Save as Cancel Next

Edit Delta Time

Minutes: 0

Seconds: 0

1 2 3
4 5 6
7 8 9
0

Enter

2280018032327 DA

94.0°C
01:44:03
Stopping

Guest

Profile New Method Open Method Incubate Settings

July 09, 2019 10:45am

Inc/Dec time and temperature (AutoDelta)

Start AutoDelta from cycle: 1

Decrease or increase Delta Temperature: Off On 0.0 °C

Decrease or increase Delta Time: Off On 00:00 MM:SS

Actions Cancel Done

Temperature Optimization (VeriFlex™)

Min/Max Midpoint 6-zones

Adjust temperature range across the block for individual step

H2											
1	2	3	4	5	6	7	8	9	10	11	12
A											
	30.0°C	35.0°C	40.0°C	45.0°C	50.0°C	55.0°C					
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6					
H											

Step 2

Temperature difference between adjacent zones to be ≤ 5.0

Actions Cancel Done

Main Menu

Browse / New Methods Settings Menu Tools Menu My Account

Shortcut 1 Shortcut 2 Shortcut 3 Shortcut 4

Shortcut 5 Shortcut 6 Shortcut 7 Shortcut 8

Log Off 2007-01-16 | 3:42 PM | User: gregor

Edit Run Method: LMS2

Stage 1	Stage 2	Stage 3	
x 1	x 10	x 20	
95.0	94.0	55.0	72.0
12:00	0:15	0:15	0:30
Step 1	Step 1	Step 2	Step 3
		Step 1	Step 2

Run Add Delete Options Save

Touch a stage or a step to insert a stage or step. Touch a time or temperature to edit it. Touch Options to create AutoDelta or VeriFlex steps, to show ramp rates or to add a pause.

Browse Last Accessed Run Methods (20)

Run Method	Folder	Last Used
fast_one	GregorM	2007-06-19
BigDye_Fast*	Shared	2007-06-19
AmpliTag_Gold*	Shared	2007-06-19
BigDye_Std*	Shared	2007-06-19
LMS2*	Shared	2007-06-19

Start Run New View/Edit Copy Print Delete

Selected: 0

Touch a run method to select it, then touch any of the buttons to perform an action. Touch a column title to sort the table.

Edit Run Method: LMS2

Stage 1	Stage 2	Stage 3	
x 1	x 10	x 20	
95.0	94.0	55.0	72.0
12:00	0:15	0:15	0:30
Step 1	Step 1	Step 2	Step 3
		Step 1	Step 2

1 2 3 4 5

6 7 8 9 0 Done

Edit Run Method: Fast_PCR

Create a VeriFlex Step

69.0	64.0	59.0	62.0	66.0	70.0
1-2	3-4	5-6	7-8	9-10	11-12

*Temperature difference between adjacent zones <= 5.0

Old UI

HOME LAYOUT

FULL WIDTH
800 px (including 20px margins)

FULL HEIGHT
600 px

INSTRUMENT NAME
DIN 18pt Regular #FFFFFF centered

TITLE BAR
63px tall
(includes 1px hi-light on top: #5c5c5c and 2px of shadow on bottom)

CONTENT AREA
399 px

CONTROL BAR
Blue Button bar: 93px tall
Gray Button bar: 82px tall

CONTROL BAR TEXT
On Blue: DIN 16pt Reg #ffffff centered
On Gray: DIN 16pt Reg #999 centered

STATUS BAR
44 px

STATUS BAR ICONS
Shows what is connected to instrument:
Network, USB, Cloud; 10px padding between each icon

STATUS BAR TEXT
DIN 10.5pt Regular #888888

February 13, 2014 10:45am



#Set Up Run



#Set Up Run (Press)



#Ready



#Preparing Run



#Pause0

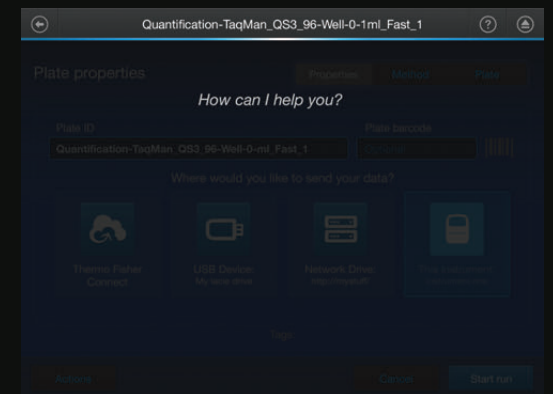
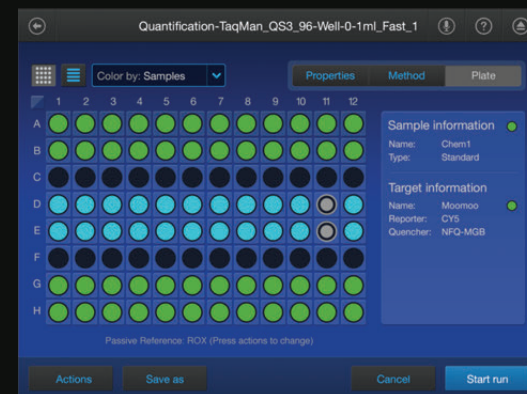
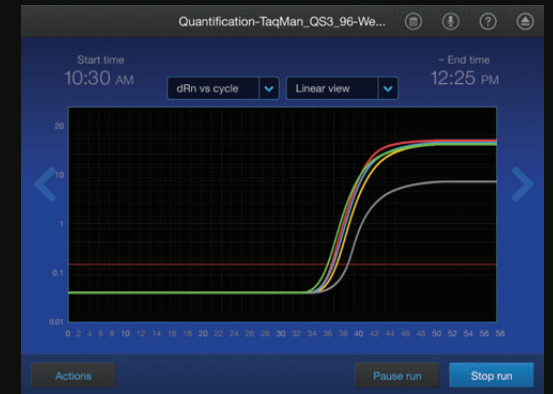


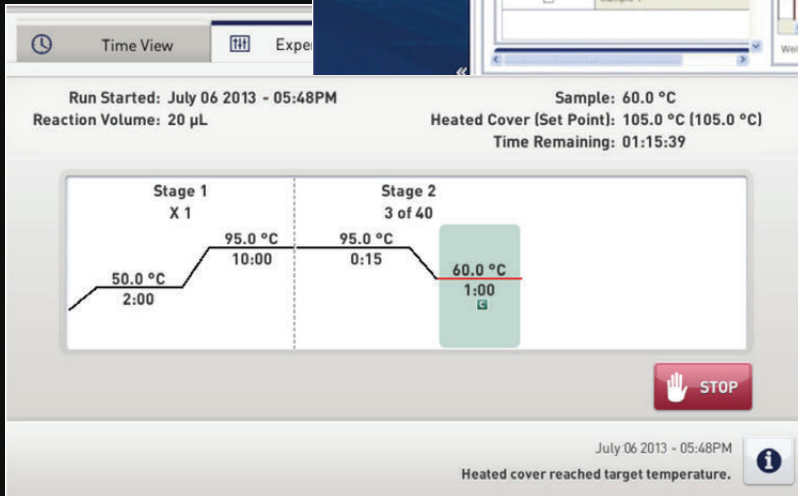
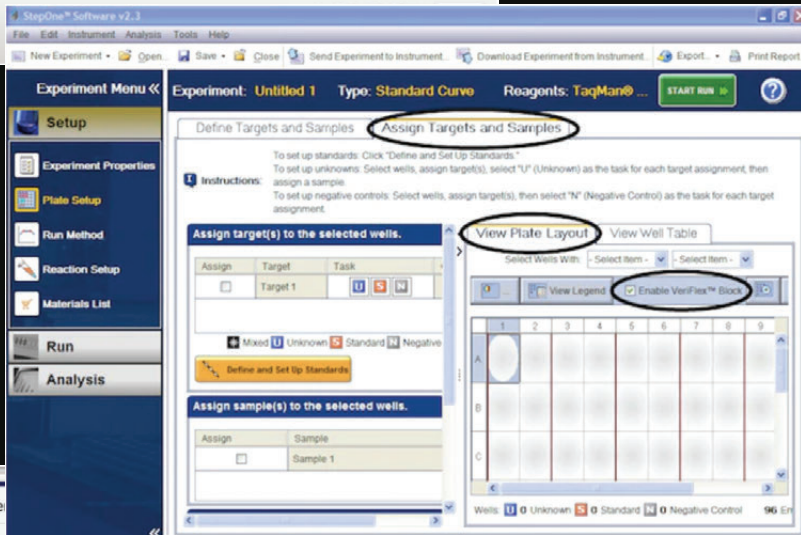
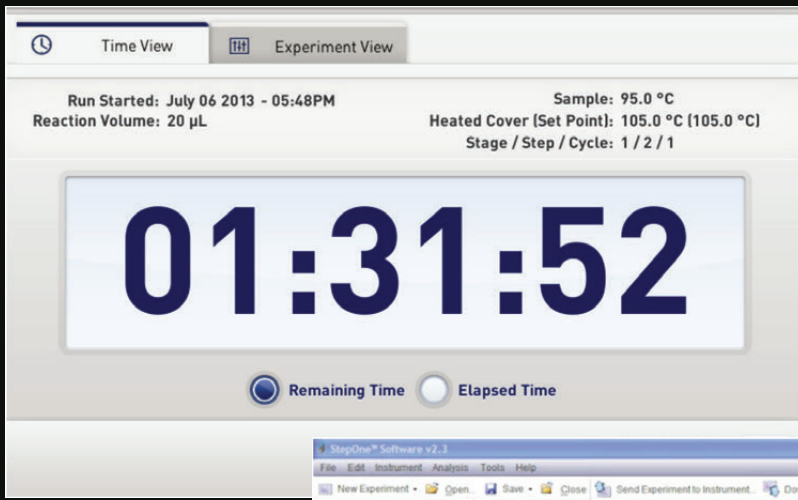
#Infinite Hold

Style Guide



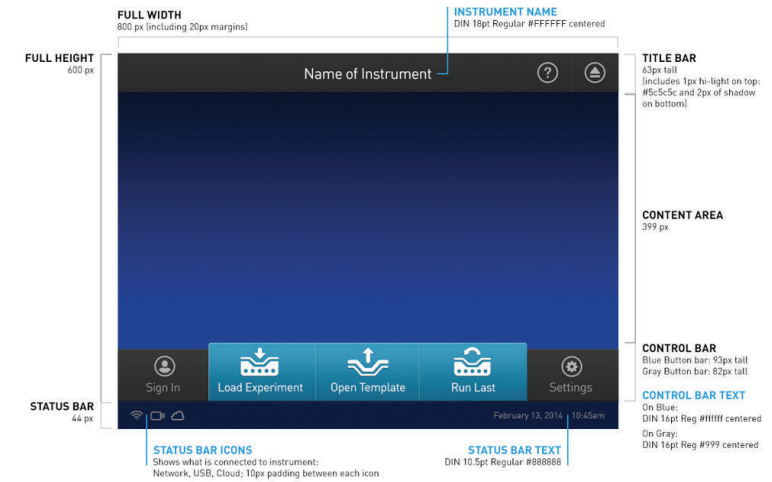
QuantStudio 6/7 Pro
Real Time PCR



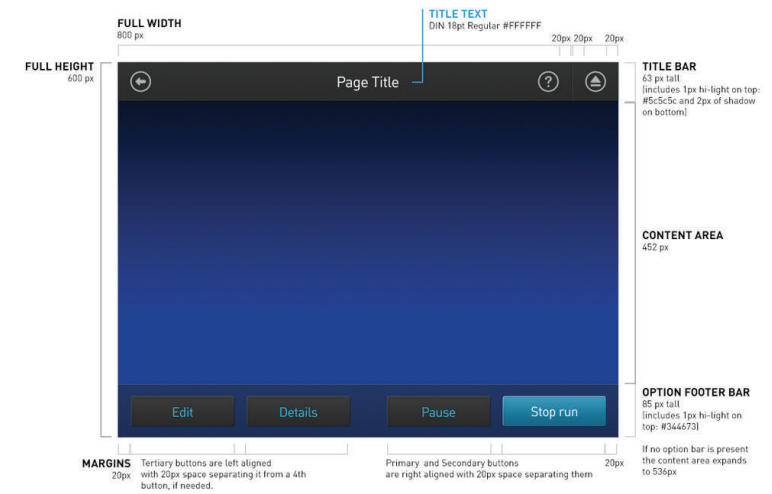


Old UI

HOME LAYOUT



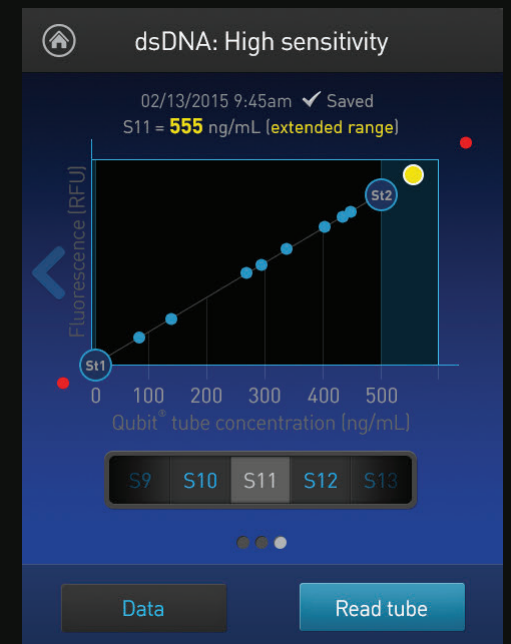
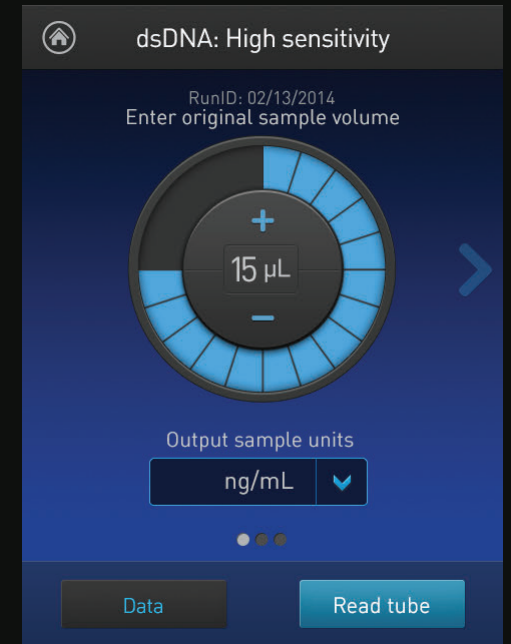
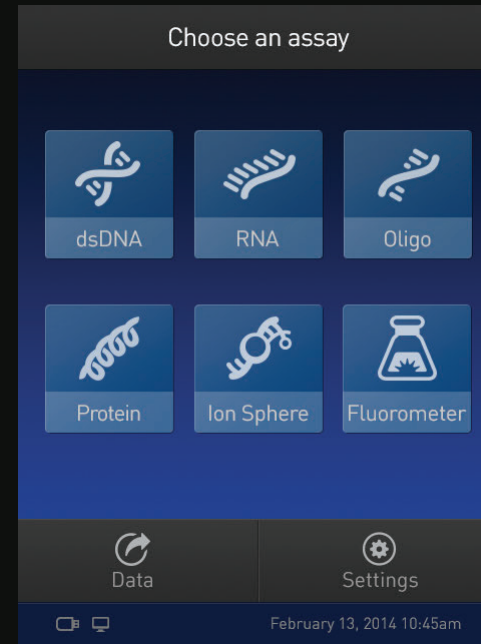
SUB-PAGE LAYOUT

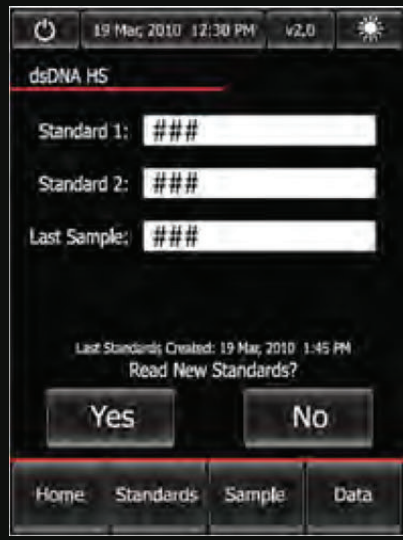
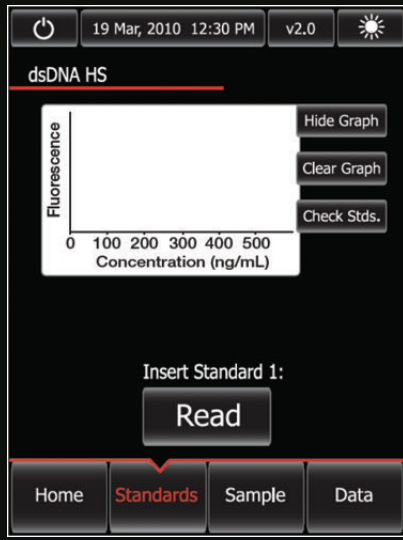
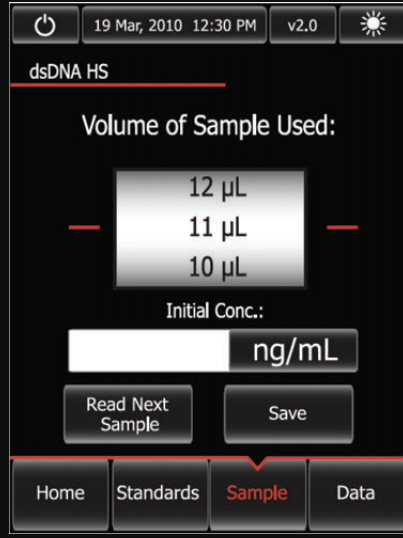
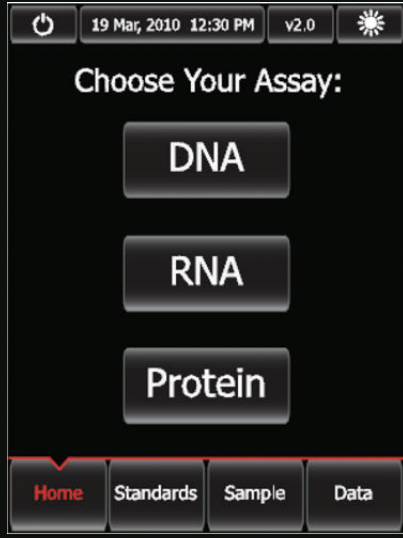


Style Guide



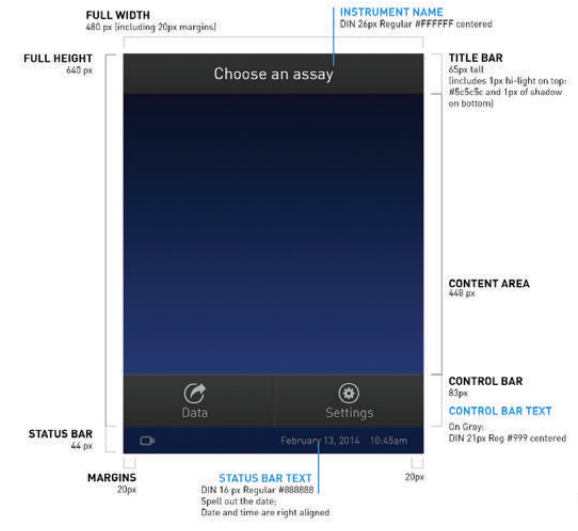
Qubit 3
Fluorometer



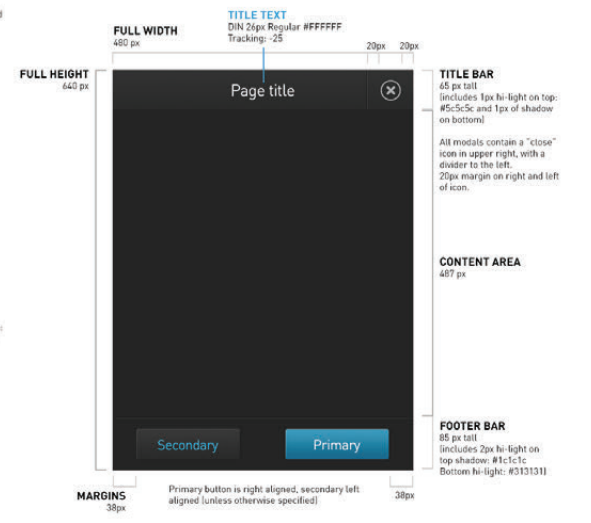


Old UI

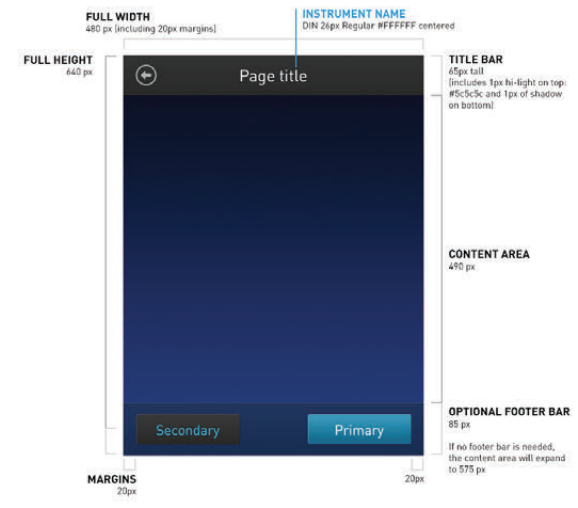
HOME LAYOUT



MODAL LAYOUT



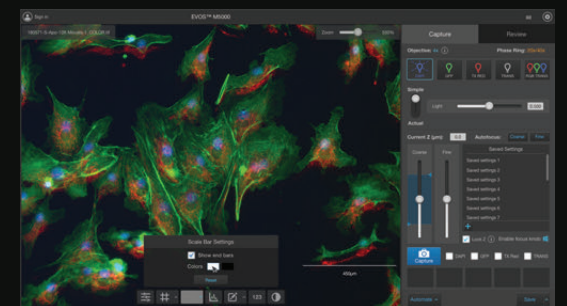
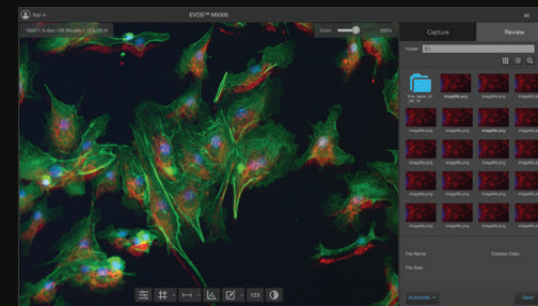
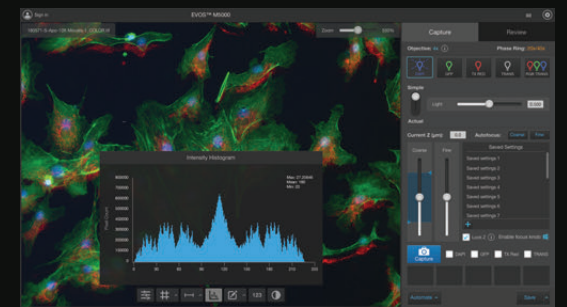
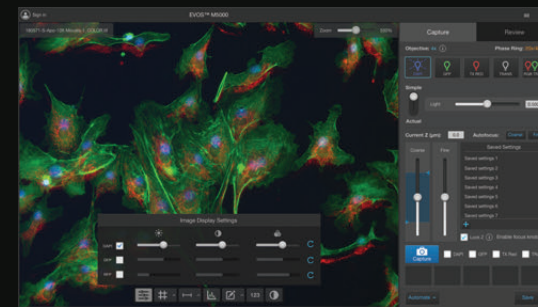
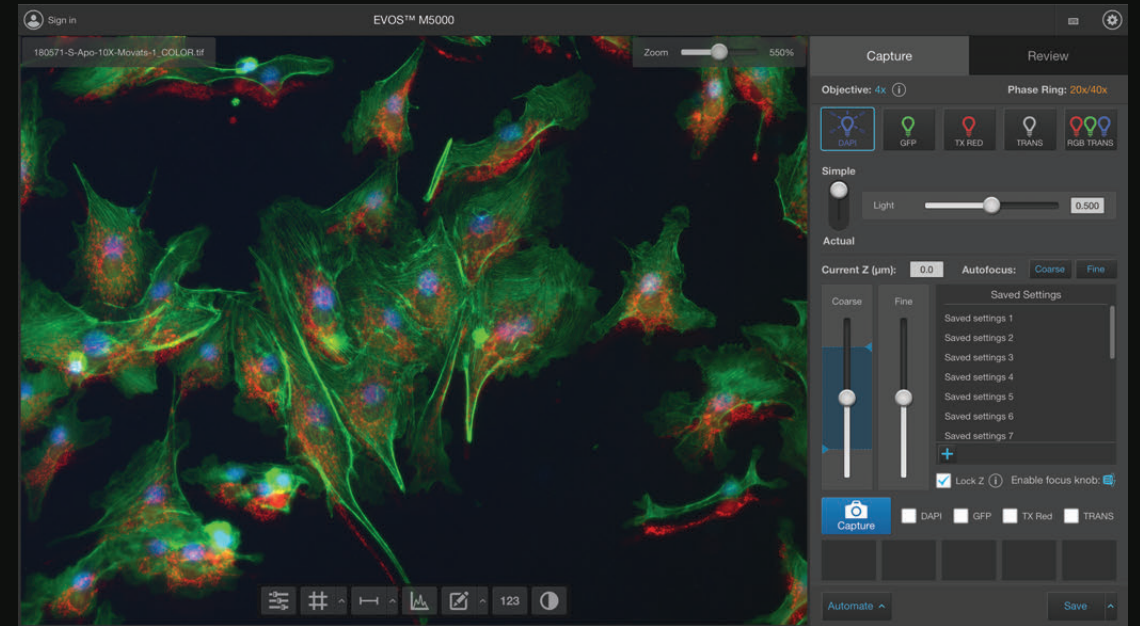
GLOBAL LAYOUT

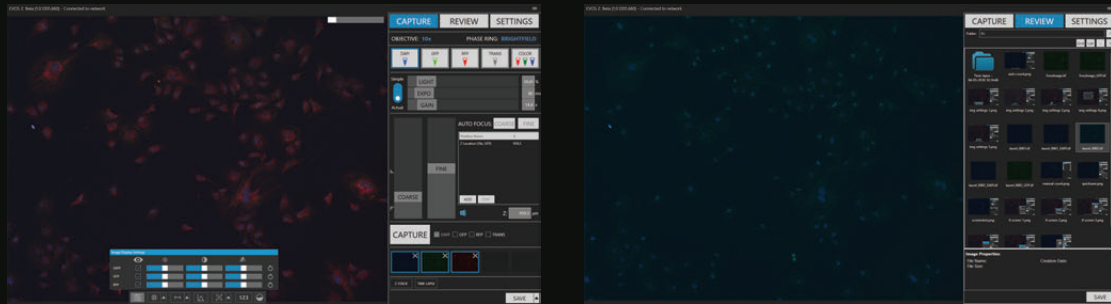
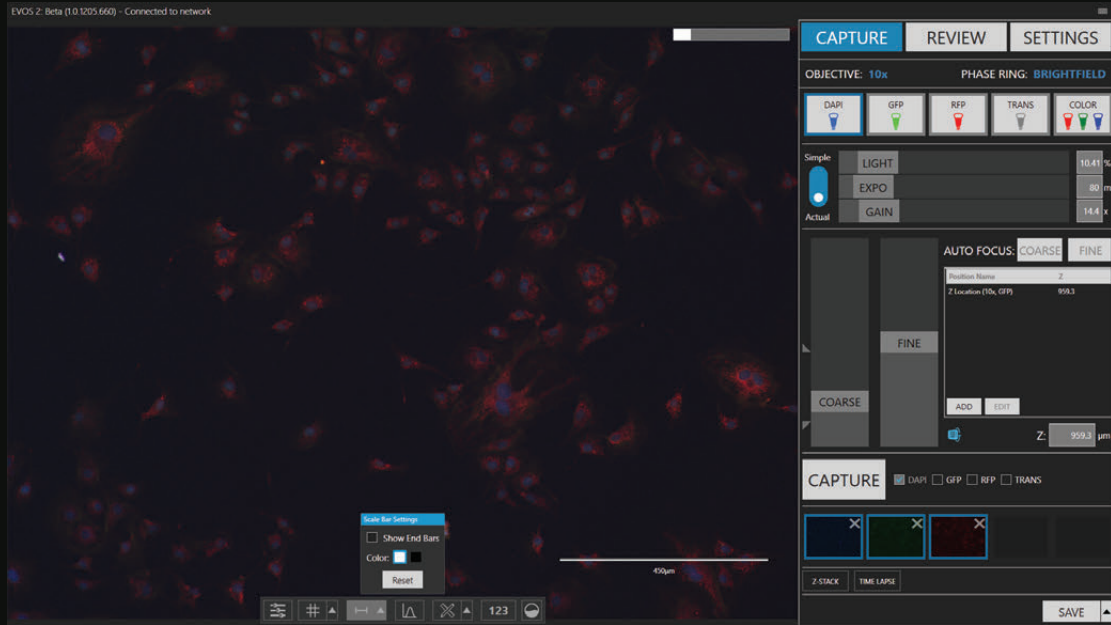


Style Guide



Evos M5000
Imaging System

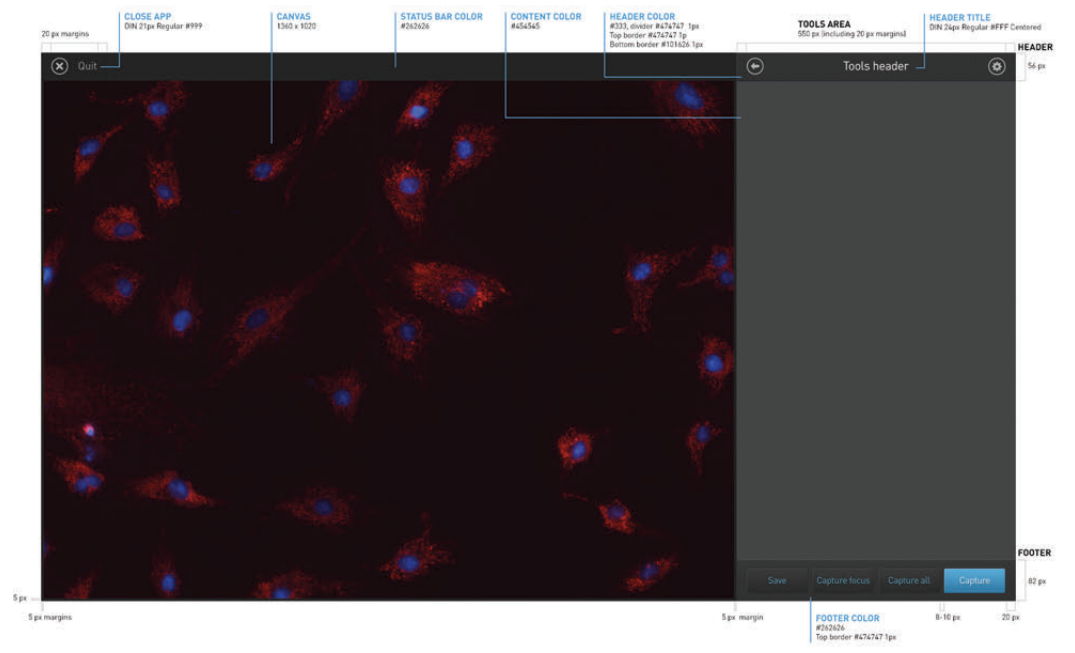




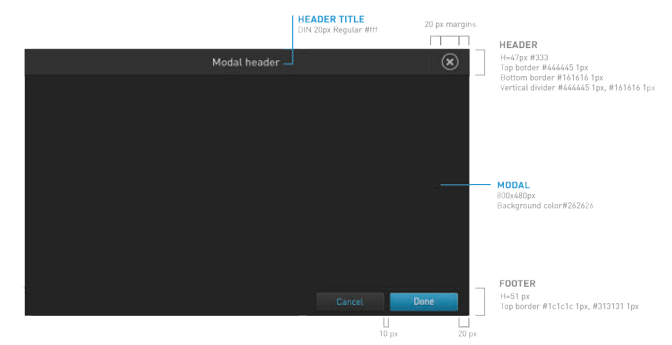
Old UI

GLOBAL LAYOUTS

PAGE LAYOUT

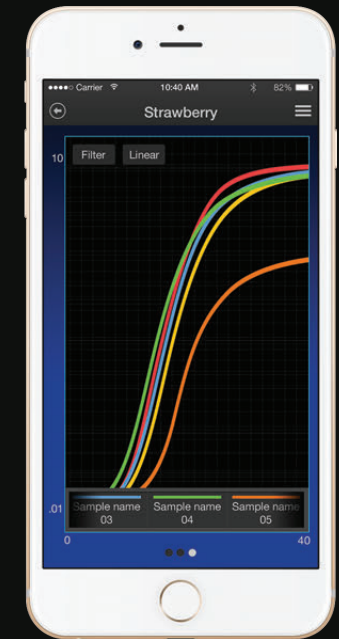
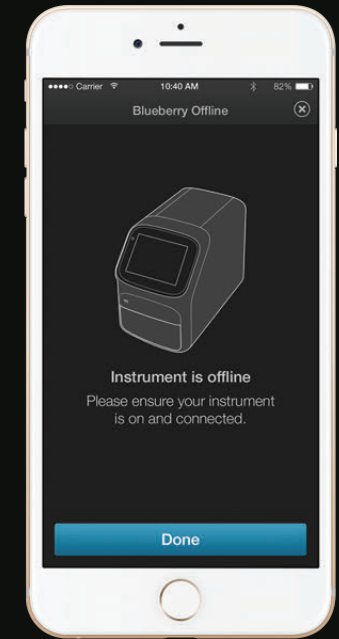
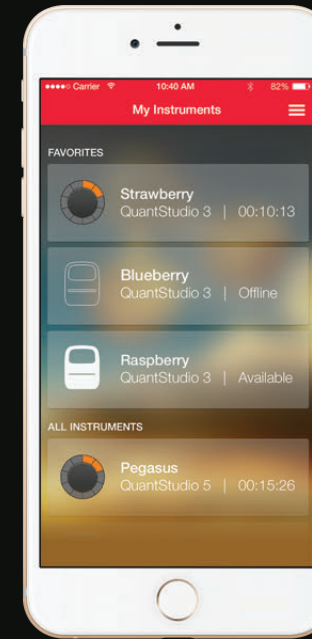
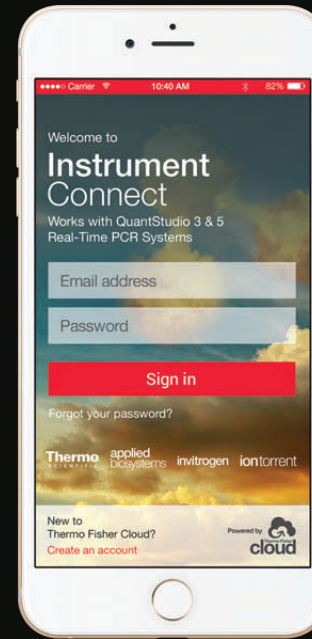


MODAL ASSETS





Instrument
Connect



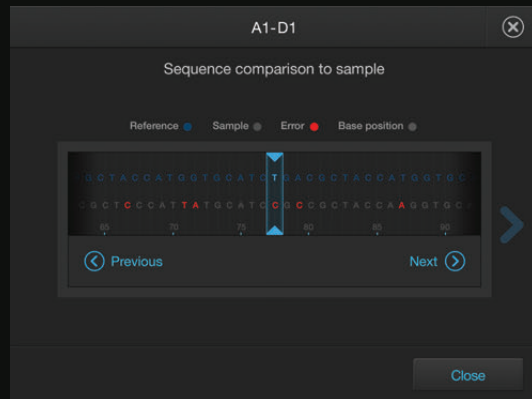
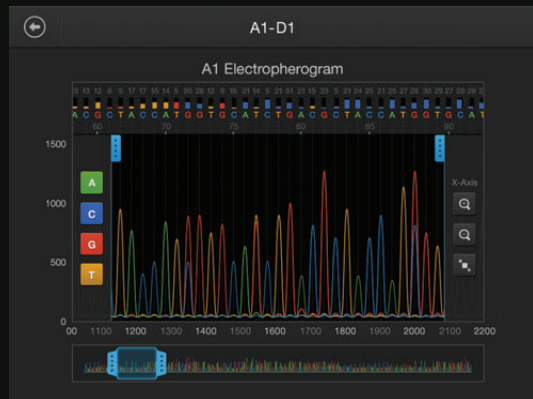
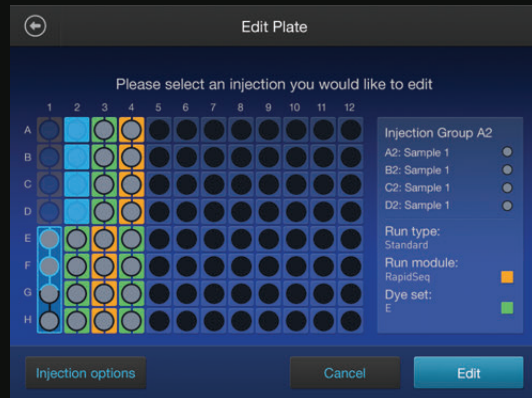


Set Up Run

{Thermo Fisher Cloud name}
Please select an experiment file

Type	Plate Name	Last Modified
Folder	Folder Number 1	Shared 12/07/13 12:19 PM
Folder	Folder Number 2	Shared 12/07/13 12:19 PM
File	Exp 1234_2015_01	12/07/13 12:19 PM
Folder	Folder Number 3	12/07/13 12:19 PM
Folder	Folder Number 4	12/07/13 12:19 PM
Folder	Folder Number 5	12/07/13 12:19 PM

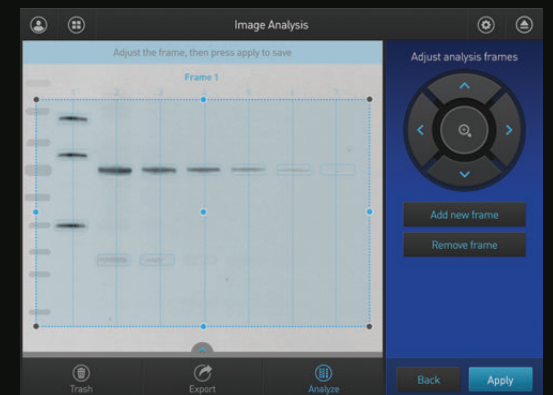
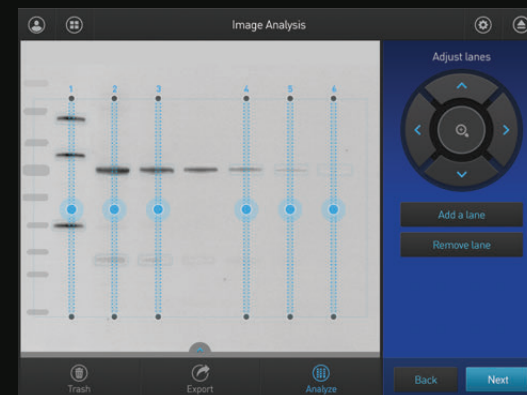
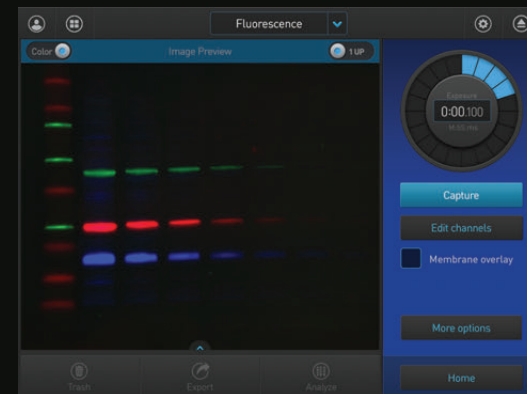
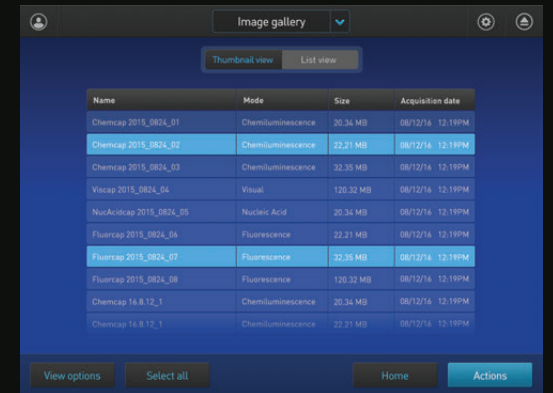
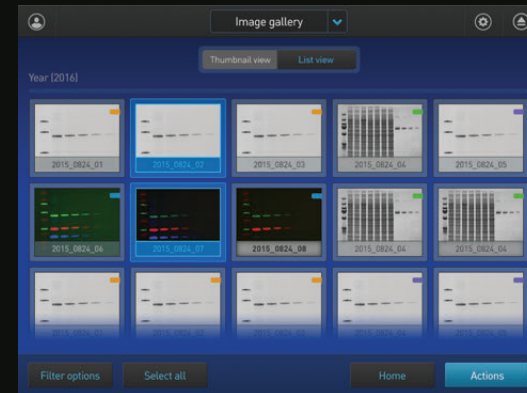
Manage | Cancel

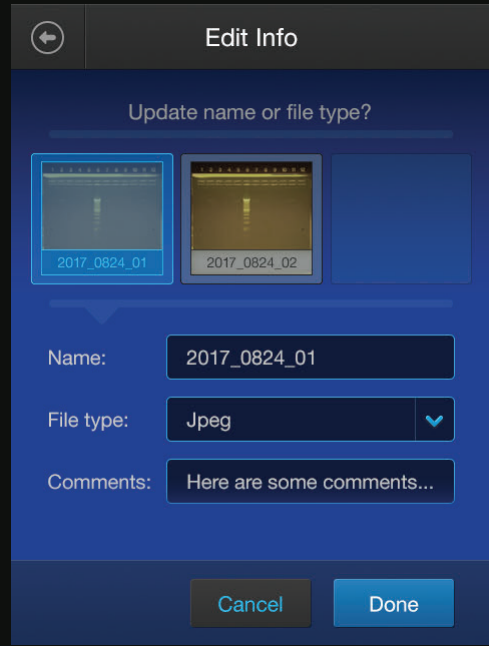
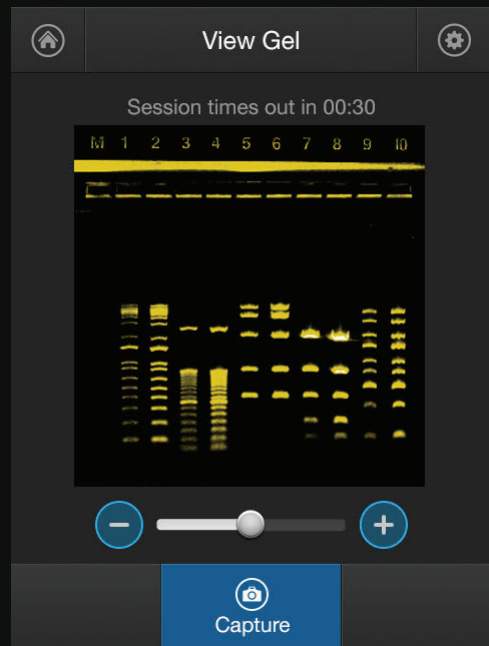
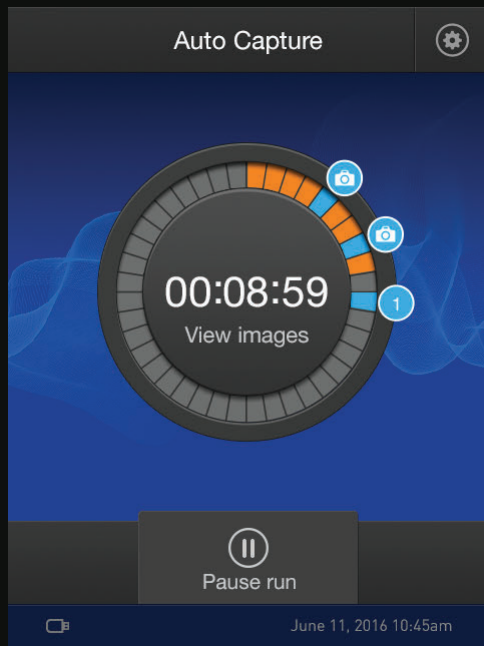


SeqStudio Genetic Analyzer



iBright
Imaging Systems





E-Gel Power Snap
Electrophoresis System