

LABONOR



αPlastic™
Labware ELISABETH PHARMACON

PRODUCT CATALOG

LABWARE

PCR Tubes
PCR/qPCR Strips
PCR/qPCR Well Plates
Well Plates Seals
Pipette Tips

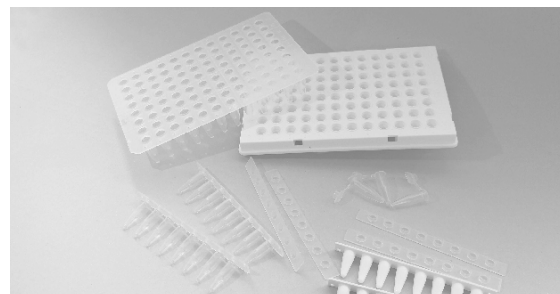
 **LABONOR**

 **Elisabeth®
Pharmacon**

Content

LABWARE

PCR Tubes	6
PCR/qPCR Strips	7-9
Tube Opener	10
PCR/qPCR Well Plates	11-13
Well Plates Seals	14
Pipette Tips	15-18



Labware

αPlastic™
Labware ELISABETH PHARMACON

PCR Tubes

PCR 8-Strips

qPCR 8-Strips

PCR 96Well Plates

qPCR 96 Well Plates

Well Plates Seals

Microtubes

Pipette Tips

Tube Opener





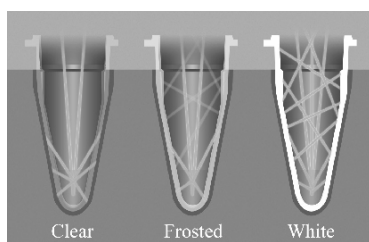
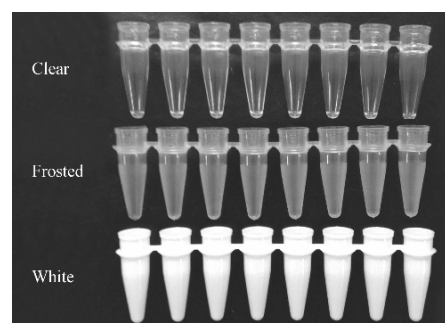
αPlastic™ PCR Single Tubes

Features:

- Thin Walled tube for best heat transfer
- Made of USP VI Polypropylene
- Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin
- All products are ready to use in PCR
- Compatible with Rotor-Gene and many other cyclers
- Autoclavable
- Evaporation rate below 5%, no mineral oil needed
- Fits almost all thermal cyclers
- Small package can avoid contamination by different researcher
- All items contain tubes with caps

Ref	Description	Features / Functions	Package
αPlastic™ PCR Tube C 0.2 Frosted Flat Cap APTC02FFC-500	0.2 ml PCR Tubes with Flat Cap	Easy labelling on frosted flat cap	500 pcs
αPlastic™ PCR Tube C 0.2 Frosted Flat Cap APTC02FFC-3000	0.2 ml PCR Tubes with Flat Cap	Easy labelling on frosted flat cap	3000 pcs

Parameter	ROX-dependent	No ROX
Machine Brands	ABI, Stratagene Biomtra	Bio-Rad Roche, Eppendorf
Does mastermix include ROX	YES	NO
Ct value determined by	Rn (Reporter RFU/ Rox RFU)	Reporter RFU
Ct value difference among White, Frosted, Clear tubes	White = Frosted = Clear	White > Frosted > Clear



In **no ROX machine**, higher Reporter RFU will determine lower Ct value (the lower Ct the better). The comparison is **White > Frosted > Clear**

In **ROX-dependent machine**, higher Reporter and Passive RFU will get almost the same Rn and determine the same Ct value.
The comparison is **White = Frosted = Clear**

Don't put different type of tube in the same qPCR experiment, that will cause different Ct value, even with the same sample.

COMPATIBILITY CHART (qPCR 8-Strip Tubes)

	AP0801FOC	AP0801WOC	AP0801COC	AP0802COC	AP0802WOC	Note / Holder NO.
Standard Well (0.2 ml, height 21mm.)						
Low Profile Well (0.1 ml, height 16mm.)						
Applied Biosystems (Life Technology)						
7000						
7300						4367033
7500						4367033
7500Fast						4403809
StepOne						4375282
StepOne Plus						4379983
ViiA7 Fast Model (0.1 ml)						4379983
ViiA7 (0.2 ml)						4381850
QuantStudio Fast Model (0.1 ml)						4379983
QuantStudio (0.2 ml)						4381850
QuantStudio 3/5 Fast (0.1 ml)						4379983
QuantStudio 3/5 (0.2 ml)						4381850
3500(xL)						4410232 (Retainer)
(0.1 ml Fast 96 Well)						4410701 (Septa)
3500(xL)						4410230 (Retainer)
(0.2 ml Standard 96 Well)						4410701 (Septa)
Roche						
LightCycler 96						
LightCycler Nano						Bottom Detection
Bio-Rad						
iCycler iQ						
iQ5						
MyiQ						
Chromo4						
Opticon I & II						
mini Opticon						
CFX96						
Stratagene/Eppendorf/Biometra/Sacace/Analytik Jena						
Mx4000/3000P/3005P						
AriaMx						
MyGo PRO						Bottom Detection
Open QPCR						Bottom Detection
MasterCycle ep Realplex						
PikoReal 24 Real-Time PCR						
Toptical Thermocycler						
SaCycler-96						
qTOWER/2.0/2.2						



αPlastic™ PCR 8-Strip Tubes

ENDPOINT

Features:

- Thin Walled tube for best heat transfer
- Made of USP VI Polypropylene
- Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin
- All products are ready to use in PCR
- Autoclavable
- Evaporation rate below 5%, no mineral oil needed
- Fits almost all thermal cyclers
- Small package can avoid contamination by different researcher
- All items contain tubes with caps

Ref	Description	Features / Functions	Package
αPlastic™ PCR 8-well strip tube 0.2, Attached Flat Frosted Caps			
AP0802AFFC-120	0.2 ml PCR 8-Strip Tube with Attached Flat Cap	Easy labelling on frosted flat cap Attached cap helps avoid cross-contamination between different tubes Good for storage (10 Bags per 12 strip Tubes)	120 pcs
αPlastic™ PCR 8-well strip tube 0.2, Flat Frosted Caps			
AP0802FFC-120	0.2 ml PCR 8-Strip Tube & Separate Flat Cap	Easy labelling on frosted flat cap Traditional separate cap decrease operating time (10 Bags per 12 strip Tubes)	120 pcs
αPlastic™ PCR 8-well strip tube 0.2, Domed Caps			
AP0802DC-120	0.2 ml PCR 8-Strip Tube & Separate Domed Cap	Dome cap could fit domed hot lid thermal cycler Traditional separate cap decrease operation time (10 Bags per 12 strip Tubes)	120 pcs

αPlastic™ qPCR 8-Strip Tubes

Features:

- Thin Walled tube for best heat transfer
- Made of USP VI Polypropylene
- Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin
- All products are ready to use in qPCR
- Evaporation rate below 5%, cost savings on reagents
- Two kind of 8-Strip could fit almost all qPCR machines
- Small package can avoid contamination by different researcher
- Ultra clear cap shows consistent light transmitting rate provide stable data than other brand
- All items contain tubes and caps



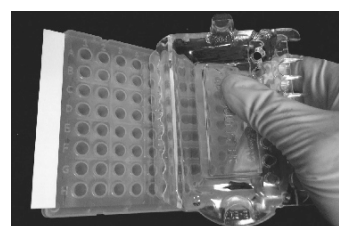
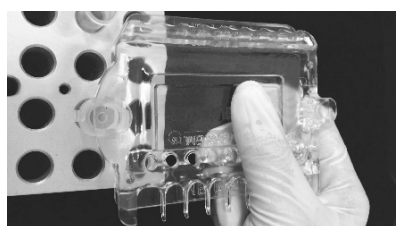
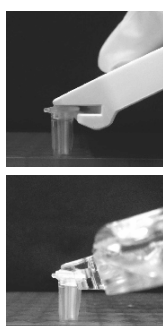
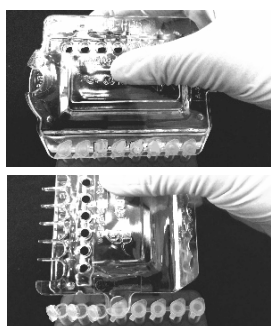
Ref	Description	Features / Functions	Package
αPlastic™ qPCR 8-well strip tube LP 0.1F, Optical Caps AP0801FOC-120	0.1 ml qPCR 8-Strip Tubes (With Optical Caps)	Low profile Tube height 16 mm Frosted tubes, (10 Bags per 12 strip Tubes)	120 pcs
αPlastic™ qPCR 8-well strip tube LP 0.1W, Optical Caps AP0801WOC-120	0.1 ml qPCR 8-Strip White Tubes (With Optical Caps)	Low profile Tube height 16 mm White tubes (10 Bags per 12 strip Tubes)	120 pcs
αPlastic™ qPCR 8-well strip tube LP 0.1C, Optical Caps AP0801COC-120	0.1 ml qPCR 8-Strip Clear Tubes (With Optical Caps)	Low profile Tube height 16 mm Ultra clear tubes designed for bottom detection machine like Roche LC Nano, Mygo Pro, Open qPCR (10 Bags per 12 strip Tubes)	120 pcs
αPlastic™ qPCR 8-well strip tube SP 0.2C, Optical Caps AP0802COC-120	0.2 ml qPCR 8-Strip Tubes (With Optical Caps)	Standard profile Tube height 21 mm Clear tubes (10 Bags per 12 strip Tubes)	120 pcs
αPlastic™ qPCR 8-well strip tube SP 0.2 W, Optical Caps AP0802WOC-120	0.2 ml qPCR 8-Strip White Tubes (With Optical Caps)	Standard profile Tube height 21 mm White tubes (10 Bags per 12 strip Tubes)	120 pcs



αPlastic™ Tube Opener

Features:

- Made of USP VI Polystyrene
- Operating temperature -30 ~ 70 °C
- Multiple functions design for decapping, capping, film scraping
- Multiple decapping functions could be use in attached 8-strip tubes, single tube
- Transparent design helps observation and operation
- A smooth surface on film scraping side, avoids causing damage on any adhesive film
- Non-autoclavable, using ethanol spray for sterilization



Ref	Package	Compatibility
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αPlastic™ Tube Opener

APCAPPING-1	1 pc
APCAPPING-15	15 pcs

Decapping functions for:

αPlastic™ PCR Tube C 0.2 Frosted Flat Cap
 αPlastic™ PCR 8-well strip tube 0.2, Attached Flat Frosted Caps
 αPlastic™ PCR 8-well strip tube 0.2, Flat Frosted Caps

Capping function for

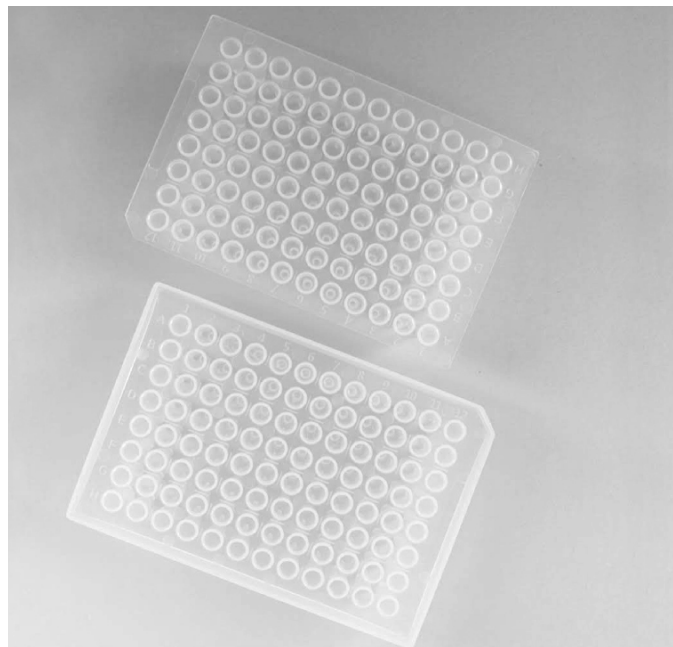
αPlastic™ PCR 8-well strip tube 0.2, Flat Frosted Caps
 αPlastic™ qPCR 8-well strip tube SP 0.2C, Optical Caps

Film Scraping for

αPlastic™ PCR 96 Well-Plates Adhesive Membrane
 αPlastic™ qPCR 96 Well-Plates Ultra Clear Pressure Membrane
 αPlastic™ qPCR 96 Well-Plates Ultra Clear Adhesive Membrane
 αPlastic™ 96 Well-Plates Aluminium Adhesive Membrane

COMPATIBILITY CHART (PCR & qPCR 96 Well Plates)

	AP9602CNS	AP9602CSSS	AP9602CSS	AP9601FSSS	AP9601FSS	AP9601WSS	Note / Holder NO.
Standard Well (0.2 ml, height 21mm.)	✱	✱	✱				
Low Profile Well (0.1 ml, height 16mm.)				✱	✱	✱	
Applied Biosystems (Life Technology)							
7000		✱					
7300		✱					4367032
7500		✱					4367032
7500Fast				✱			4359652
7900HT Fast Model(0.1 ml)				✱			
7900HT Standard (0.2 ml)		✱					
StepOne Plus				✱			
ViiA7 Fast Model (0.1 ml)				✱			4459846
ViiA7 (0.2 ml)		✱					4459845
QuantStudio Fast Model (0.1 ml)				✱			4459846
QuantStudio (0.2 ml)		✱					4459845
QuantStudio 3/5 Fast (0.1 ml)				✱			
QuantStudio 3/5 (0.2 ml)		✱					
5700/7700		✱	✱				Sequencer
3100/3130 (xL)				✱			4367470 (Retainer)
(0.1 ml Fast 96 Well)							4315933 (Septa)
310/3100/3130 (xL)		✱	✱				4317241 (Retainer)
(0.2 ml Standard 96 Well)							4315933 (Septa)
3700/3730 (xL)				✱			4367469 (Retainer)
(0.1 ml Fast 96 Well)							4315933 (Septa)
3700/3730 (xL)		✱	✱				4410228 (Retainer)
(0.2 ml Standard 96 Well)							4315933 (Septa)
3500(xL)				✱			4409530 (Retainer)
(0.1 ml Fast 96 Well)							4412614 (Septa)
3500(xL)		✱	✱				4410228 (Retainer)
(0.2 ml Standard 96 Well)							4412614 (Septa)
Roche							
LightCycler 480 & 480II						✱	
LightCycler 96						✱	
Bio-Rad							
iCycler iQ	✱		✱				
iQ5	✱		✱				
MyiQ	✱		✱				
Chromo4	✱		✱				
Opticon I & II					✱	✱	
CFX96					✱	✱	
Stratagene/Eppendorf/Biometra/Sacace/Analytik Jena							
Mx4000/3000P/3005P	✱		✱				
AriaMx					✱	✱	
MasterCycle ep Realplex	✱		✱				
Toptical Thermocycler	✱		✱				
SaCycler-96	✱		✱				
qTOWER/2.0/2.2	✱		✱				



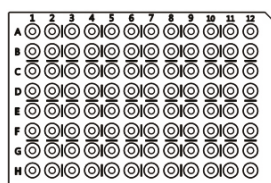
αPlastic™ PCR 96 Well Plates

Features:

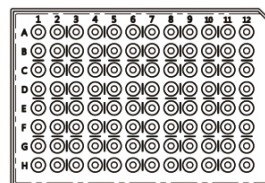
- Thin Walled tube for best heat transfer
- Made of USP VI Polypropylene
- Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin.
- Evaporation rate below 5%, saving cost on reagents
- Small package can avoid contamination by different researcher



Non-Skirted



Semi Skirted

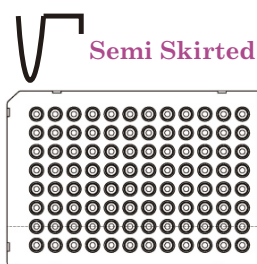
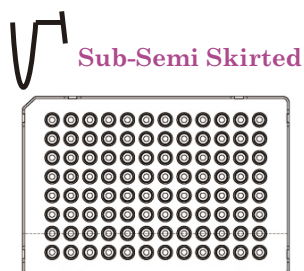


Ref	Package		Description	Features / Functions
αPlastic™ PCR 96 Well-Plates 0.2C Non Skirted				
AP9602CNS-10	10 pcs (1 bag)		0.2 ml PCR	Standard profile Tube height 21 mm Clear tubes, (1 box = 5 bags per 10 plates)
AP9602CNS-50	50 pcs (1 box)		96-Well Plates Non-Skirted	
αPlastic™ qPCR 96 Well-Plates SP 0.2C, Semi Skirted				
AP9602CSS-10	10 pcs (1 bag)		0.2 ml PCR	Standard profile Tube height 21 mm Clear tubes (1 box = 5 bags per 10 plates)
AP9602CSS-50	50 pcs (1 box)		96 Well Plate Semi Skirted	

αPlastic™ qPCR 96 Well Plates

Features:

- Thin Walled tube for best heat transfer
- Made of USP VI Polypropylene
- Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin. All products are ready to use in qPCR
- Evaporation rate below 5%, saving cost on reagents
- Low and standard profile with 2 skirted format for almost all qPCR and sequencer machine
- Small package can avoid contamination by different researcher



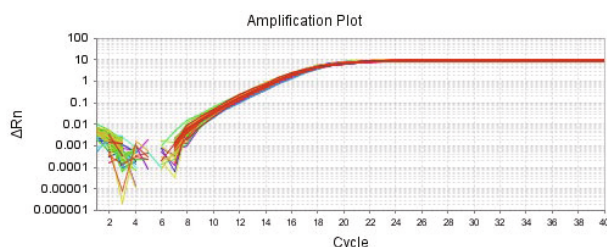
Ref	Package		Description	Features / Functions
αPlastic™ qPCR 96 Well-Plates SP 0.2C, Sub-Semi Skirted				
AP9602CSSS-10	10 pcs (1 bag)		0.2 ml qPCR	Standard profile
AP9602CSSS-50	50 pcs (1 box)		96 Well Plates Sub-Semi Skirted	Tube height 21 mm Clear tubes,
αPlastic™ qPCR 96 Well-Plates LP 0.1F, Sub-Semi Skirted				
AP9601FSSS-10	10 pcs		0.1 ml qPCR	Low profile
AP9601FSSS-50	50 pcs		96 Well Plates Sub-Semi Skirted	Tube height 16 mm Frosted tubes
αPlastic™ qPCR 96 Well-Plates LP 0.1F, Semi Skirted				
AP9601FSS-10	10 pcs		0.1 ml qPCR	Low profile
AP9601FSS-50	50 pcs		96 Well Plates Semi Skirted	Tube height 16 mm Frosted tubes,
αPlastic™ qPCR 96 Well-Plates LP 0.1W Semi Skirted				
AP9601WSS-10	10 pcs		0.1 ml qPCR	Low profile
AP9601WSS-50	50 pcs		96 Well Plates Semi Skirted	Tube height 16 mm White tubes



αPlastic™ Seals

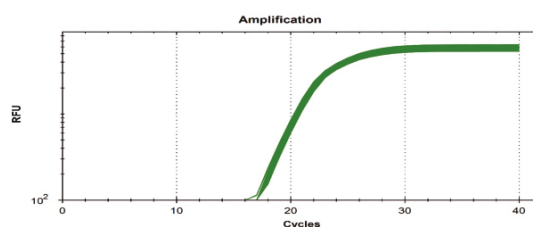
Features:

- Free of detectable DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin.
- Products are ready to use in PCR, qPCR or ELISA
- Small package can avoid contamination by different researcher



αPlastic™ AP96PMEM-10

The same 96 wells mechanism repeated on ABI StepOnePlus and the data show stable overlap of 96 lines in AP96PMEM-10.



αPlastic™ AP96AMEM-10

The same 96 wells mechanism repeated on CFX-96 and the data show stable overlap of 96 lines in AP96AMEM-10.

Ref	Package	Description	Features / Functions
αPlastic™ PCR 96 Well-Plates Adhesive Membrane			
AP96MEM-10	10 pcs (1 bag)	PCR 96 Well Plate	Operating Temperature -40°C ~ 120°C PCR use Strong adhesive
AP96MEM-100	100 pcs (1 box)	Sealing Membrane	
αPlastic™ qPCR 96 Well-Plates Ultra Clear Pressure Membrane			
AP96PMEM-10	10 pcs (1 bag)	qPCR 96 Well Plate	Operating Temperature -40°C ~ 120°C Real-Time PCR(qPCR) use Strong pressure sensitive adhesive and high light transmitting rate provides more table data
AP96PMEM-100	100 pcs (1 box)	Optical Sealing Membrane (pressure-sensitive adhesive film) equivalent: ABI 4311971	
αPlastic™ qPCR 96 Well-Plates Ultra Clear Adhesive Membrane			
AP96AMEM-10	10 pcs (1 bag)	qPCR 96 Well Plate	Operating Temperature -40°C ~ 120°C Real-Time PCR(qPCR) use Strong adhesive Ultra clear membrane shows consistent and high light transmitting rate, provides more stable data
AP96AMEM-100	100 pcs (1 box)	Optical Sealing Membrane (adhesive film) equivalent: BIO-RAD MSB-1001	
αPlastic™ 96 Well-Plates Aluminium Adhesive Membrane			
AP96ALMEM-10	10 pcs (1 bag)	Aluminium Membrane	Operating Temperature -80°C ~ 120°C PCR or Storage use Strong adhesive Piercable
AP96ALMEM-100	100 pcs (1 box)		
αPlastic™ 96 Well-Plates ELISA CLEAR Adhesive Membrane			
AP96EMEM-100	100 pcs (1 box)	Sealing Membrane	Clear Storage membrane Elisa/EIA or various storage use Operating Temperature -40°C ~ 120°C