

0.2 ml Low Profile (q)PCR 8-tube strips with single attached caps which fits most (q)PCR Thermal Cyclers and also fits SHELL FRAME GRIDS™

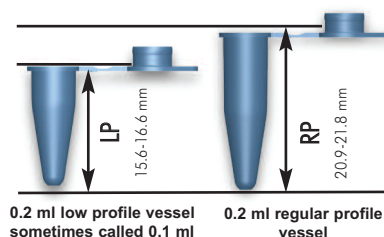
- Designed to perform diagnostic (q)PCR reactions in as low as 5 µl
- Fits ABI, Bio-Rad, and 0.2 ml LP, or 0.1 ml Fast (q) PCR cyclers (see table next page)

Regular Profile 0.2 ml, Low Profile 0.2 ml and 0.1 ml tubes...whats the difference?

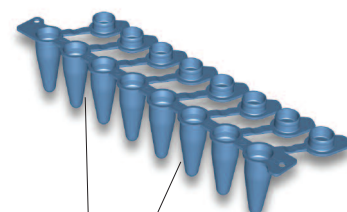
Some companies have renamed the original Low Profile 0.2 ml vessels description to 0.1 ml "vessel".

Low Profile 0.2 ml Tubes, also called 0.1 ml Tubes are used in fast cyclers as from ABI, Roche and Bio-Rad CFX cyclers as well in (q)PCR cyclers with height adjustable lids.

The differences between Regular Profile 0.2 ml tubes and low profile 0.2 tubes also called 0.1 ml Tubes are illustrated.

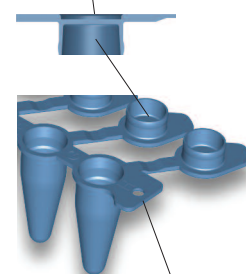


PRODUCT	FEATURES	ADVANTAGES	BENEFITS
(q)PCR Strips tubes with Att. Caps	Wide area indented caps	No "finger touch" while closing	Highly reproducible results
		Maximized Optical area	Higher signal noise/ratio
	Special blend of polypropylene	Easy Opening & closing	Limit RSI injuries
		Anti-static tubes	Maximum sample recovery
		non sticking for biomolecules	Low copy detection
		Flexible non cracking tubes	No loss of sample
	Single attached indented optical caps	Prevent cross contamination	Trustworthy results
	Alpha numeric markings	Easy sample location	Traceability of samples
	Fits Shell Frame Grids	Enables fit to almost all (q)PCR thermal cyclers	One product for all applications



Clear Transparent surface enables easy content view

Indented Optical Cap prevent area contamination



orientation & "click" hole

INTRODUCTION PRICE € 69* /bag 300 strips (*up to December, 2012)

0.2ml Low Profile Thin-wall 8-tube strip with Single Attached Optical Indented wide area Cap

Fits almost all (q)PCR Cycler models which accept low profile products, also compatible with ABI Fast Cyclers and Roche LightCycler® 480 Real-Time Systems .

Orderno Description

Ultra Clear Tube Strips

K72810	EU 0.2ml Thin-wall 8-tube strip, LP, UC Single attached Optical wide area cap, (0.1ml)
K72810B	EU 0.2ml Thin-wall 8-tube strip, LP, UC Single attached Optical wide area cap, (0.1ml)

Package Size

Natural, Bag of 120 Strips, stacked
Natural, Bag of 300 Strips

Price €

€ 55
€ 90*

Frosted Tube Strips

B72810	EU 0.2ml Thin-wall 8-tube strip, LP, UC Single attached Optical wide area cap, (0.1ml)
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Natural, Bag of 120 Strips, stacked

€ 72

Shell Frame Grids™ for making "strips plate" assemblies to be used in some (q)PCR cyclers and Robotics

B17489G	Shell Frame Grid 96 x 0.1 LP fits LightCycler® 480 systems and others
AB19805G	Shell Frame Grid 96 x 0.1 LP fits any ABI Fast Cycler

White, Bag of 24
Yellow, Box of 24

€ 25	B = 8 packages
€ 25	B = 8 packages

*see also intro price

**Not available in the USA, alternatives available: B77101/B79501 or K77101/B79501 and B77101/B57801



(q) PCR Cycler Compatibility List

0.2ml Thin-wall 8-tube strip with Single Attached Optical Indented wide area Cap [K72810(B)]

Most popular cyclers

Other Cyclers

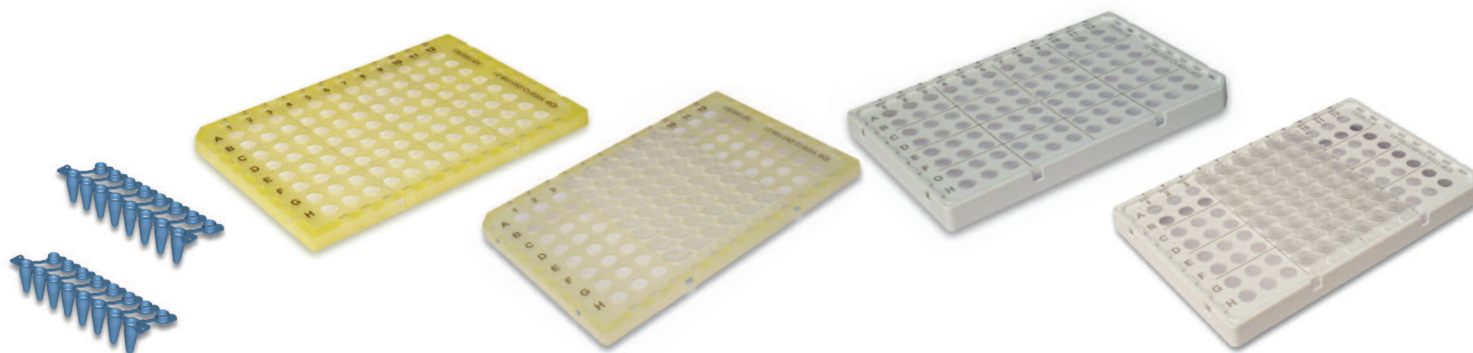
Applied Biosystems	7500 Fast Real-Time PCR System ^{1B}	96 x 0.2ml Fast
Applied Biosystems	7900 HT Fast Real-Time PCR System ^{1C}	96 x 0.2ml Fast
Applied Biosystems	9800 Fast Thermal Cycler ^B	96 x 0.2ml
Applied Biosystems	GeneAmp PCR System 9600	96 x 0.2ml
Applied Biosystems	StepOnePlus™ Real-Time PCR System ^{1B}	96 x 0.1ml
Applied Biosystems	StepOne™ Real-Time PCR System ¹	48 x 0.1ml
Applied Biosystems	Veriti™ 96-Well Fast Thermal Cycler ^{1B}	96 x 0.1ml
Applied Biosystems	ViiA™ 7 Real-Time PCR System ^{1B}	96 x 0.1ml
Bio-Rad Laboratories	C1000 A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	C1000 Touch A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	CFX96 Real-Time PCR Detection System ^{13A}	96 x 0.2ml
Bio-Rad Laboratories	DNA Engine A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	DNA Engine Chromo ^{13A}	96 x 0.2ml
Bio-Rad Laboratories	DNA Engine Dyad A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	DNA Engine Dyad Disciple A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	DNA Engine Tetrad 2 A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	iCycler	48 x 0.2ml
Bio-Rad Laboratories	MiniOpticon ¹³	48-12 48 x 0.2ml
Bio-Rad Laboratories	MJ Mini	48-12 48 x 0.2ml
Bio-Rad Laboratories	Opticon 2 ^{13A}	96 x 0.2ml
Bio-Rad Laboratories	PTC-100 A	96 x 0.2ml
Bio-Rad Laboratories	S1000 A	48 x 0.2ml & 96 x 0.2
Bio-Rad Laboratories	T100 A	96 x 0.2ml
Eppendorf	Mastercycler A	96 x 0.2ml
Eppendorf	Mastercycler ep gradient + Silver A	96 x 0.2ml
Eppendorf	Mastercycler ep realplex + Silver ^{13A}	96 x 0.2ml
Eppendorf	Mastercycler pro + pro S A	96 x 0.2ml
Eppendorf	Mastercycler pro S A	96 x 0.2ml
Eppendorf	Thermomixer comfort A	96 x 0.2ml
MJ Research Inc.	PTC-100 A	96 x 0.2ml
MJ Research Inc.	PTC-200 DNA Engine A	48 x 0.2ml & 96 x 0.2
MJ Research Inc.	PTC-220 DNA Engine Dyad A	48 x 0.2ml & 96 x 0.2
MJ Research Inc.	PTC-225 DNA Engine Tetrad A	48 x 0.2ml & 96 x 0.2
Roche	COBAS Taqman 48 Analyzer	24 x 0.2ml
Roche	LightCycler @ 480 Real-Time System ^{13D}	96 x 0.2ml
Biometra	T1 Thermocycler + Combi A	96 x 0.2ml
Biometra	T3 Thermocycler + Combi	48 x 0.2ml
Biometra	T3000 Thermocycler	48 x 0.2ml
Biometra	TGradient A	96 x 0.2ml
Biometra	TOptical ^{13A}	96 x 0.2ml
Biometra	TPersonal	48 x 0.2ml
Biometra	TProfessional All Types A	96 x 0.2ml
Biometra	TProfessional TRIO	48 x 0.2ml
Biometra	TRobot A	96 x 0.2ml
Biometra	UNO II A	96 x 0.2ml
Biometra	UNO-thermoblock A	96 x 0.2ml

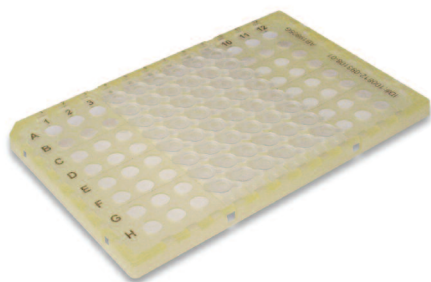
1 Cycler Model ¹ :	FROSTED PRODUCT IS RECOMMENDED
2 Cycler Model ² :	CLEAR, NON FROSTED, PRODUCT IS RECOMMENDED
3 Cycler Model ³ :	ALTHOUGH PRODUCT FITS CYCLER BETTER ALTERNATIVES ARE RECOMMENDED (available @ www.bioplastics.com)
A Cycler Model ^A :	FITS CYCLER ALSO WHEN COMBINED ANY SHELL FRAME GRID (AB17503G, AB19805G, B17489G and B69304)
B Cycler Model ^B :	FITS CYCLER ALSO WHEN COMBINED WITH AB19805G 96 x 0.2ml Shell Frame Grid
C Cycler Model ^C :	FITS CYCLER ONLY WHEN COMBINED WITH AB19805G 96 x 0.2ml Shell Frame Grid
D Cycler Model ^D :	FITS CYCLER ONLY WHEN COMBINED WITH B17489G 96 x 0.2ml Shell Frame Grid

Analytik-Jena	Alpha SC A	48 x 0.2ml & 96 x 0.2
Analytik-Jena	FlexCycler A	48 x 0.2ml & 96 x 0.2
Analytik-Jena	qTower ^{13A}	96 x 20µl
Apollo	All Models A	48 x 0.2ml & 96 x 0.2
Astec	PC-320	32 x 0.2ml
Barnstead Thermolyne	Amplitrion I + II A	96 x 0.2ml
Bioer	GenePro A	48 x 0.2ml & 96 x 0.2
Bioer	GeneQ TC-24/H(b)	24 x 0.2ml
Bioer	Life Express TC A	0.2 ml
Bioer	LifePro TC-96/G/H(b)A A	96 x 0.2ml
Bioer	Line-Genie 9600 A	96 x 0.2ml
Bioer	Line-Genie K FQD-48A	48 x 0.2ml
Bioer	XPcyler TC A	48 x 0.2ml & 96 x 0.2
Bioneer	Excycler 96 A	96 x 0.2ml
Bioneer	MyGenie 32 Thermal Block	32 x 0.2ml
Bioneer	MyGenie 96 Gradient Thermal Block A	96 x 0.2ml
Beoco	TC-PRO A	48 x 0.2ml & 96 x 0.2
eENZYME	GenePro Thermal Cycler A	48 x 0.2ml & 96 x 0.2
eENZYME	LifeExpress B A	48 x 0.2ml & 96 x 0.2
Ericom	MyGene MG-96 A	48 x 0.2ml & 96 x 0.2
Esco	Deltacycler I+II	96 x 0.2ml
Esco	Swift™ Maxi+Pro A	48 x 0.2ml & 96 x 0.2
Esco	Swift™ MiniPro	24 x 0.2ml
EuroClone	All Models A	48 x 0.2ml & 96 x 0.2
Finnzymes Instruments	Piko™ 24-well	24-wells
Finnzymes Instruments	Arktik A	48 x 0.2ml & 96 x 0.2
Gene Technologies Ltd.	G-Storm GS1,2, GSX A	48 x 0.2ml & 96 x 0.2
Helena Biosciences	Phoenix Thermal Cycler A	96 x 0.2ml
INHECO	Heater Oily 96 A	96 x 0.2ml
Kyratec	SuperCycler A	96 x 0.2ml
Lab-Line Instruments	Programmable Thermal Block A	48 x 0.2ml & 96 x 0.2
Lab-Line Instruments	Programmable Thermal Block A	96 x 0.2ml
Labnet	MultiGene A	96 x 0.2ml & 32x 0.2
Landgraf	Varius M A	96 x 0.2ml
LongGene Scientific	Gradient PCR A	48 x 0.2ml & 96 x 0.2
LongGene Scientific	L Series A	48 x 0.2ml & 96 x 0.2
LongGene Scientific	Multi-Purpose PCR A	96 x 0.2ml
LongGene Scientific	MyGeneTM PCR A	48 x 0.2ml & 96 x 0.2
MWG-Biotech	Primus All models A	96 x 0.2ml
MWG-Biotech	Primus 96 Plus A	96 x 0.2ml
Peqlab	peqSTAR All Models A	48 x 0.2ml & 96 x 0.2
Peqlab	Primus 96 all Models	96 x 0.2ml
Scinics	EZ-Cycler MP-96 A	96 x 0.2ml
SensoQuest	Labcyler A	48 x 0.2ml & 96 x 0.2
Techné	Flexigene A	96 x 0.2ml
Techné	Gene-E A	96 x 0.2ml
Techné	Genius A	96 x 0.2ml
Techné	TC-All Models A	48 x 0.2ml & 96 x 0.2
Techné	Touchgene Gradient A	96 x 0.2ml
Thermo Hybaid	All Models A	48 x 0.2ml & 96 x 0.2
ThermoFisher Scientific	Arktik Thermal Cycler	48 x 0.2ml
ThermoFisher Scientific	Arktik Thermal Cycler A	96 x 0.2ml
VWR	DuoCycler A	96 x 0.2ml
VWR	DuoCycler fast A	96 x 0.2ml
VWR	QuattroCycler A	96 x 0.2ml
VWR	QuattroCycler fast A	96 x 0.2ml
VWR	UnoCycler A	96 x 0.2ml
VWR	UnoCycler fast A	96 x 0.2ml

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ABI Prism 5700, 700, 7000, 7700 and 7900 <the Perkin Elmer Corp.>,
Analytik-Jena, FlexCycler <Analytik-Jena>, Eppendorf, MasterCycler <Eppendorf AG>,
Lightcycler 480 systems <Roche>, Opticon, iCycler iQ, iCycler, iQ5, CFX <Bio-Rad
Laboratories, Inc.>, Quantica <Techné Ltd and techné Inc.>, StepOne, Veriti, QuantStudio
<Applied Biosystems>, Thermo Hybaid <Thermo Corp.> Shell Frame
Grids, BIOplastics (logo), EU, BIOplastics <BIOplastics BV>





This is a limited section of the BIOplastics's **Assembly and DisAssembly Guide for 8 Tube-Strip & 96 Tube-Strip Mats in Shell Frame Grids**

(Full version downloadable at www.bioplastics.com)

Applicable for All types of BIOplastics Shell Frame Grids:

LightCycler® 480 Real-Time System (96 wells):

Shell Frame Grid White

B17489G

Applied Biosystems/Life Technologies Fast cyclers (0.1 ml):

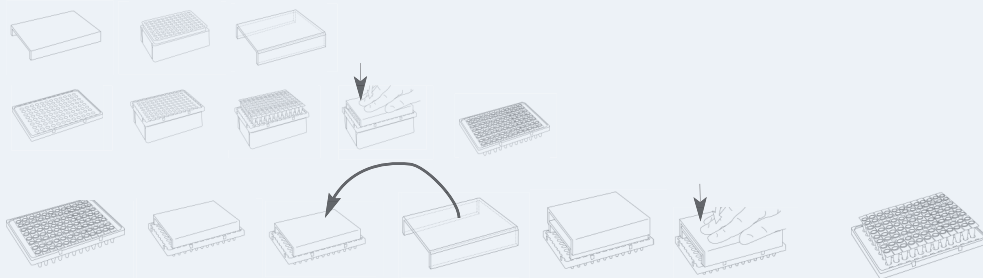
Shell Frame Grid Yellow

AB19805G

Notice that specific cycler grids are required for specific cycler brands and models.

However specific cycler grids assemblies also fit most other brands of cyclers. (see website www.bioplastics.com)

Also available One step (Dis)-Assembly / Toolkit order #B12345

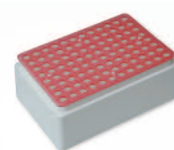


Manual Assembly 8 Tube-strips to Shell Frame Grids (SFG)

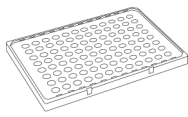
For Manual Assembly the use of a Support Work Rack-S (B69409) with EU Tube Support Grid (B69302) is recommended but not required. The parts are also included in the Sample Shell Frame Grid. (#SFG123) and the One Step Tool Kit #B12345.



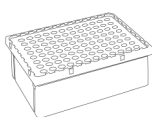
Support Work Rack-S



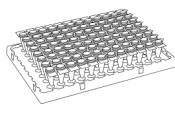
Manual Assembly using Support Work Rack-S



Shell Frame Grid (SFG)

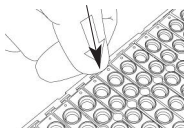


1. Position SFG over Support Work Rack-S

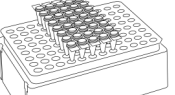
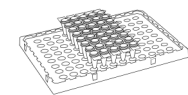


2. Place 8-Tube Strips in SFG

Apply soft down pressure to "click"



3. Press with your thumb(s) at the terminal side(s) of each strip allowing them to "click" into the SFG

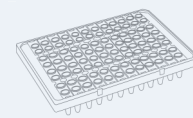


2. Place 8-Tube Strips in SFG

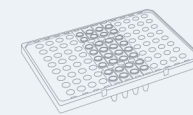
Apply soft down pressure to "click"



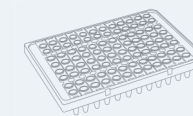
3. Press with your thumb(s) at the terminal side(s) of each strip allowing them to "click" into the SFG



Your assembly is ready to use

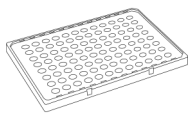


Your assembly is ready to use

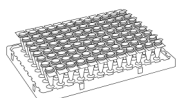


Your assembly is ready to use

Manual Assembly



1. Position SFG on a flat surface (table)



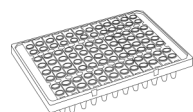
2. Place 8-Tube Strips in SFG (flat surface/table)



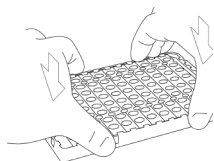
Apply soft down pressure to "click"

3. Lift Shell Frame Grid and point press thumbs at terminal side of the strip until strip "clicks" into the SFG while counter pressure at the bottom of the skirt is applied by your indexfingers

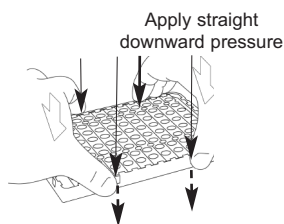
Manual Disassembly



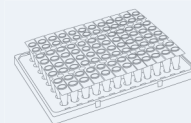
1. Position assembly on table



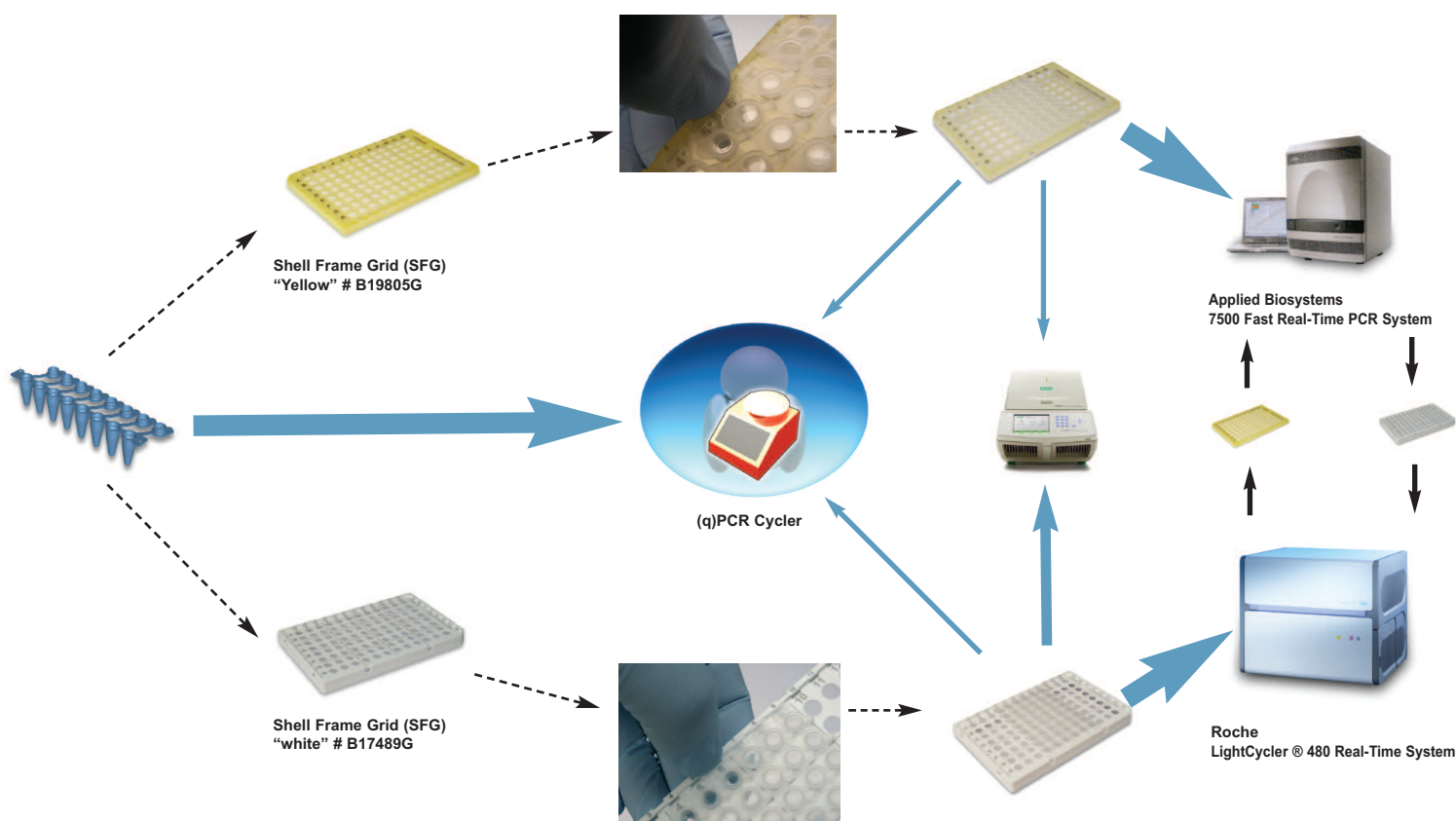
2. Position your L + R index fingers at the "robot gripper holes" (A3-4 & A9-10) and your L + R thumbs at the "robot gripper holes" (H3-4 & H9-10)



3. Press in one firm movement downwards with equal pressure on both index fingers and thumbs



8-Tube Strip (Mat) or parts of it can be removed and Strips-(Mat) and SFG are recovered



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