Document No. F0034 Ver B-20190821

Packing list for 1pc/ 2 pcs cartridge kit

	Protein Cartridge (SDS) Kit	
	1 pc (C105121)	2 pcs (C105221)
Protein Cartridge (SDS)(P2)	1 pc	2 pcs
Alignment Marker (Lower Marker, C104605)	100 µl*1	100 µl*2
Separation Buffer	50 ml	50 ml
Dilution Buffer	15 ml	15 ml
Accessory Package		
Buffer Tray	2 pcs	2 pcs
PCR Vial	8 Strip *1	
Dropper	2 pcs	2 pcs

Applications of P2 cartridge

Methods	*Best Range*	*Applications*
P4-10-4-1200	*11~155 kDa (up to 660 kDa)*	*Fluorescent dye labeled protein*

Order information of the Protein labeling Dye

Model	Product Description	Dye Manufactory / Cat. No.	Labeling kit Manufactory/ Cat. No.
Qsep100 Advance	Alexa Fluor™ 488 NHS Ester (Succinimidyl Ester) (5 mg)	ThermoFisher Scientific: A20100	BiOptic/ C104800
Qsep100/ Qsep1/ Qsep400	Chromeo™ P503 (1mg)	Sigma-Aldrich: 30693	BiOptic/ C104600

§ Troubleshooting Steps §

(1) HV check failed

1-a. Repeat HV check 2-3 times.
1-b. Soak cartridge tip in hot water and purge cartridge at least 15-30 mins with purge station simultaneously.

BiOptic

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Tel: +886-2-2218-8726
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Address: 4F., No. 108-3, Minquan Rd., Xindian Dist., New Taipei City 23141, Taiwan (R.O.C.)

Protein Cartridge Kit

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Unpacking procedure

1. Open the cartridge shell and take out cartridge vertically.

2. Insert the pin into the small hole of cartridge cap and press it all the way in.

Recommendation: Repeat step 2 before use each time.

3. Remove the pin and clean cartridge cap and tip with tissue. Make sure the cartridge is always kept in vertical position.

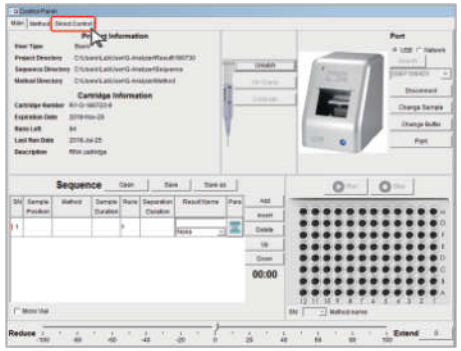
4. Buffer Preparation

Separation Buffer (1x):
5x Separation buffer stock (C104501-5X), d2H2O as diluent.

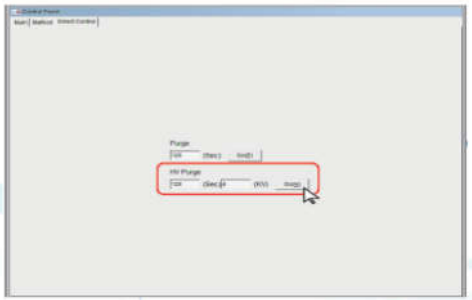
Add 1X Separation Buffer into 4 wells of Buffer Tray.
*Buffer height should be equal to the groove of wells.

5. Do HV purge before use.

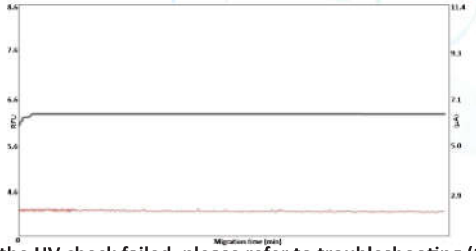
5-1. Click “Direct Control” tab at control panel



5-2. Click “Go” of HV Purge. The condition is 4kV, 120s.



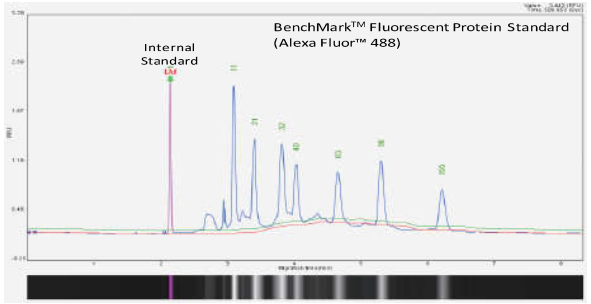
- HV check: The current (gray line) should be flat and > 2 µA.



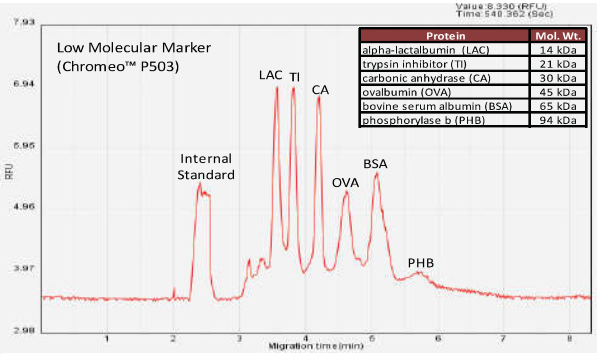
*If the HV check failed, please refer to troubleshooting (1).

Protein samples should be labled by florescent dye before analysis.

Alexa488



Chromeo P503



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