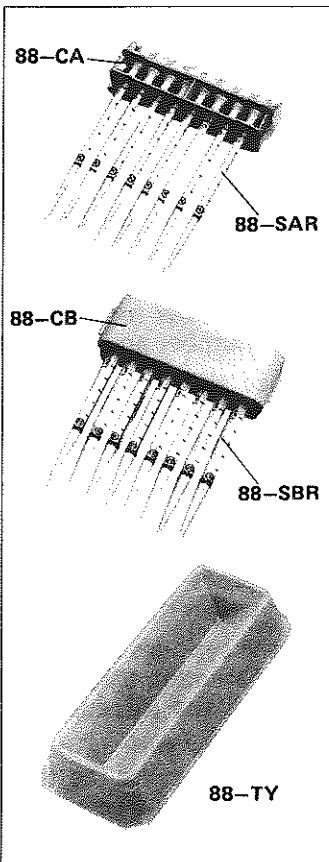


DISPENSING VOLUMES

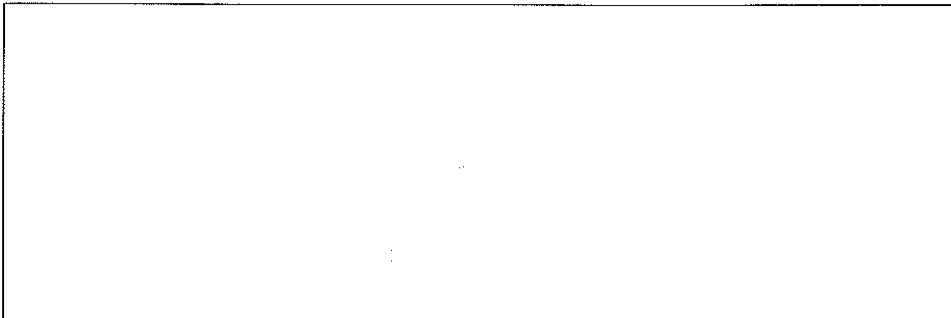
Syringe Size	520 μ l (A)	1300 μ l (B)	Maximum Number of Dispenses	
Volume Adjustment Dial No.	1	10 μ l	25 μ l	50
	2	20 μ l	50 μ l	25
	3	40 μ l	100 μ l	12

ORDERING INFORMATION


Cat. No.	Description	Quantity
8800	One instrument with one of each cartridge A and B. Eight of each 520 μ l and 1300 μ l syringes	1
88-SAR	520 μ l syringe with a silicone greased O-ring, autoclavable	100
88-SBR	1300 μ l syringe with a silicone greased O-ring, autoclavable	100
88-CA	Cartridge A for 520 μ l syringe, autoclavable	10
88-CB	Cartridge B for 1300 μ l syringe, autoclavable	10
88-TY	Polypropylene Tray to pool reagent	50



For repair, service and ordering information please contact your local distributor.

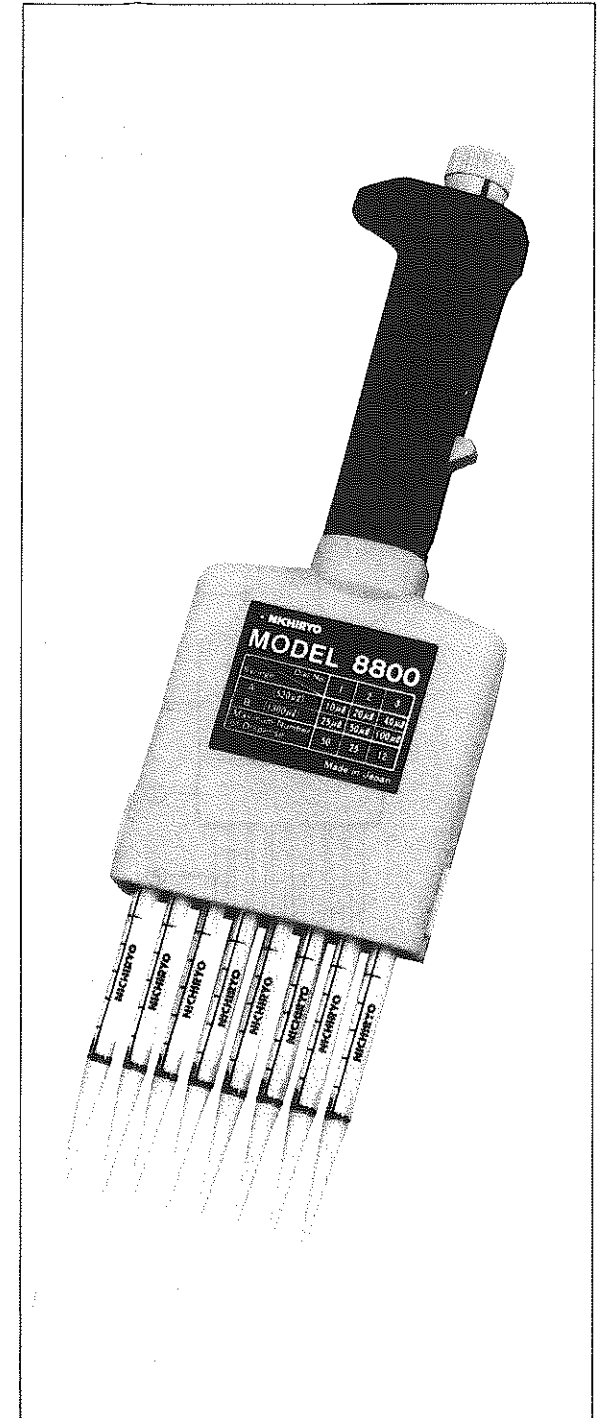


MANUFACTURER:  NICHIRYO CO., LTD.

 NICHIRYO

MODEL 8800

8-CHANNEL REPETITIVE SYRINGE DISPENSER



FEATURES

- 6 different volumes of liquid can be dispensed into a microtiter plate.
- Fast change of syringe and volume adjustment dial.
- Light weight and slender design permits easy handling without fatigue.
- Syringes and cartridges are autoclavable.
- Accuracy: $< \pm 2.0\%$

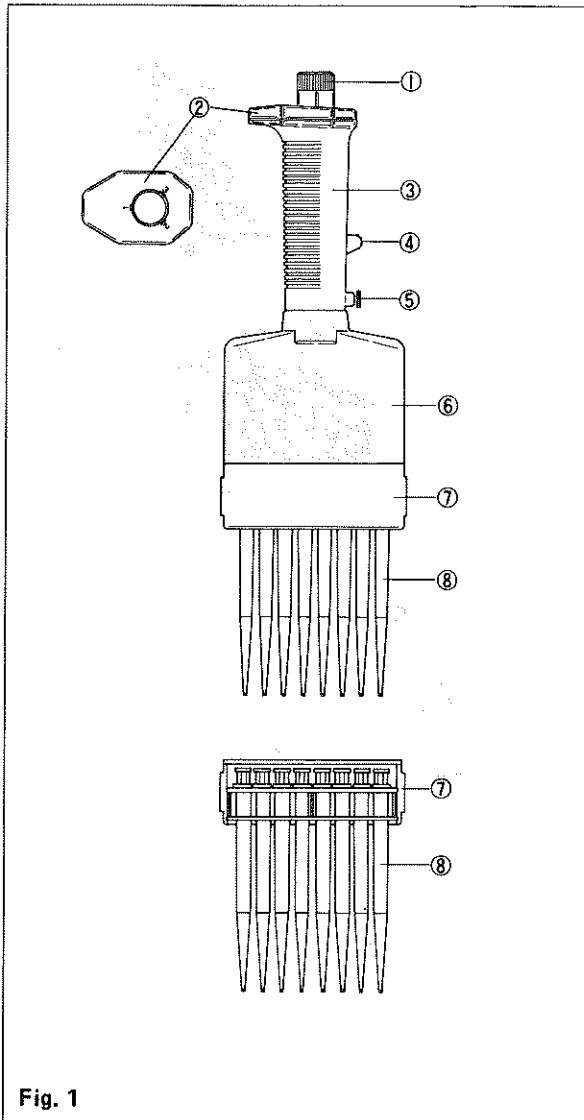


Fig. 1

PARTS AND MATERIALS

1. Thumb Knob (Polypropylene)
2. Cap with Dial Number (ABS)
3. Handle (ABS)
4. Piston Lever (Polypropylene)
5. Dispensing Speed Controller (Chrome plated brass)
6. Cartridge Holder (ABS)
7. Cartridge A & B (Polypropylene)
8. Syringe A & B (Polypropylene)
9. Piston A & B (Polypropylene & NBR)

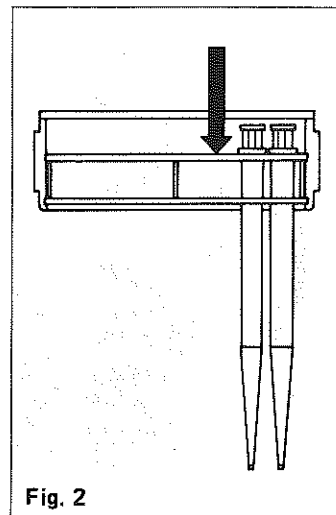


Fig. 2

OPERATION

1. Insert the syringes into the cartridge firmly. (Fig. 2)
2. Model 8800 may be supplied with the dispensing speed controller slightly tightened. Loosen the dispensing speed controller, and depress the piston lever to its lowest position. Mount the syringe cartridge into the cartridge holder so that the eight piston flanges are securely locked into the piston holder. Push the cartridge against the cartridge holder. (Fig. 3)
3. Select the desired volume to be dispensed by turning the thumb knob until the black line on the thumb knob corresponds to the appropriate dial number molded on the cap. (Fig. 4) A reference table showing the dial number and dispense volume is affixed on the cartridge holder.
4. Place the nozzle tips of the syringes into the liquid to be dispensed. Push the piston lever up until it stops so that the syringes are filled with the liquid. (Fig. 5)
5. Wipe the nozzle of the syringes with a tissue.
6. Depress the thumb knob once to pass the first dispense as waste prior to using the dispenser. The dispenser will then deliver the number of dispenses in accordance with the reference table. The dispensing speed controller may be tightened to decrease the dispense speed.
7. If the syringes are only partly filled, the last dispense will deliver an inaccurate amount when the dial number 2 or 3 is selected. It is recommended to use the dispenser with the syringes completely filled with the liquid.
8. Place the syringe nozzle close to and directly above the microtiter plate wells. Depress the thumb knob to its full stop position. The preselected volume of the liquid will then be delivered into the wells.
9. After dispensing is complete, the liquid remaining in the syringes can be ejected by depressing the piston lever downwards.

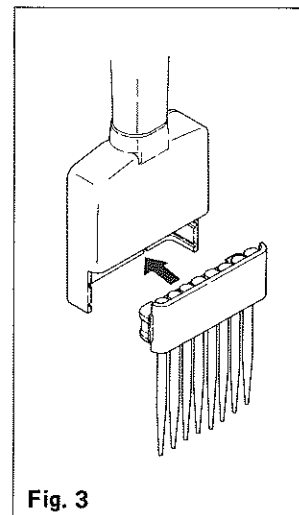


Fig. 3

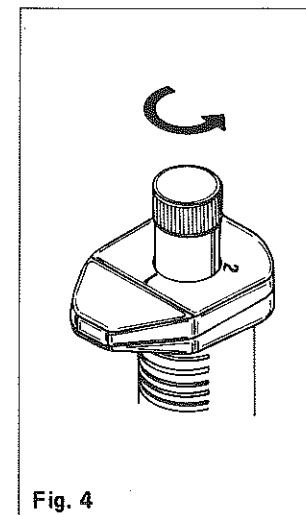


Fig. 4

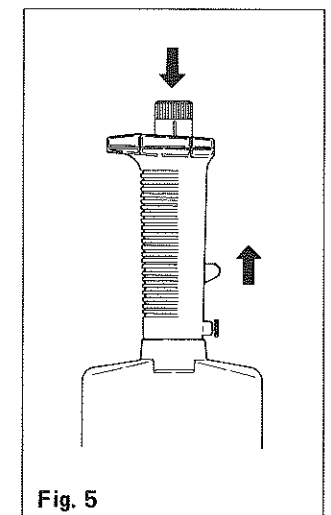


Fig. 5