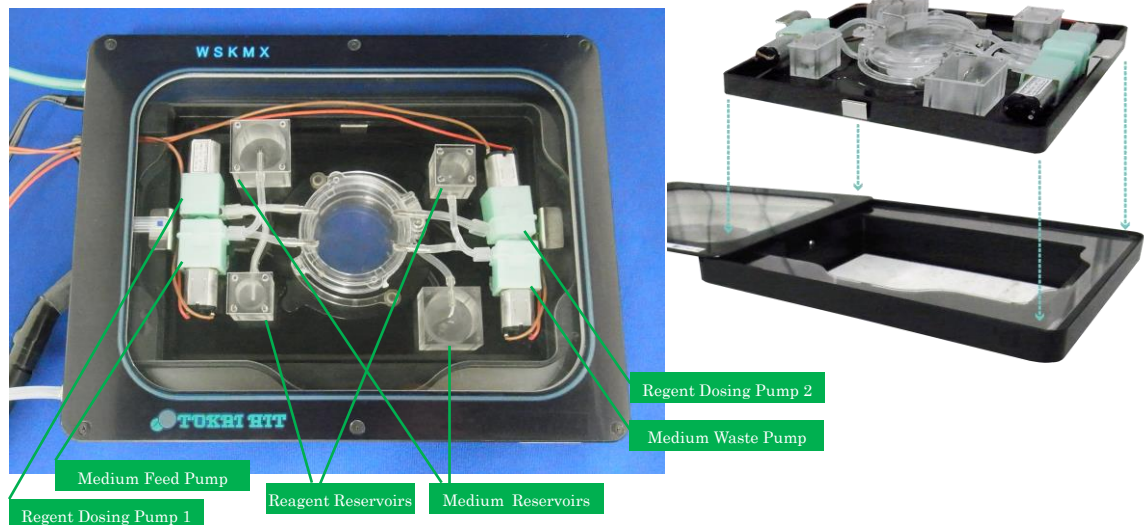
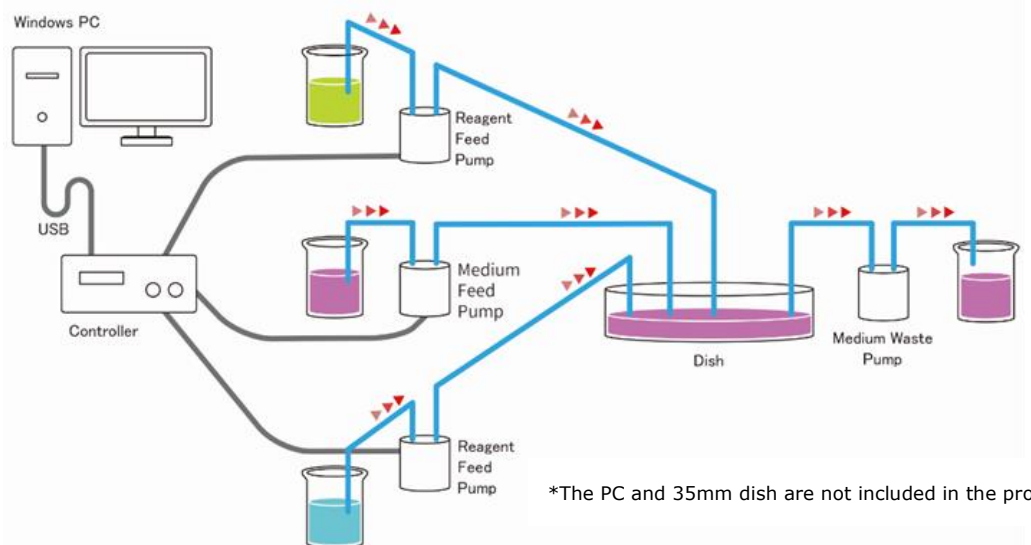


Live Cell Imaging Fluidic System (Stage Top Type)



Fully-automated Media and Reagent Pipetting System to be placed in a stage top incubator

System Configuration



Features

- **Compact** : The Pumping unit, including 4 pumps and 4 reservoirs, meets standard ANSI/SBS footprint and fits in a stage top incubator.
- **Programmable**: You can easily program your protocols; from rapid media exchange to gentle perfusion.
- **Disposable** : All wetted parts, including pump heads, nozzles and tubing, are replaceable.

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Specifications

Pump Flow Rate	1 ml/min
Media Bottle	2 ~ 3 ml
Reagent Bottle	0.6 ml
Dimensions	127 x 85 x 20 mm
Supported OS	Windows 7, 8, 10
Appropriate Dish Diameter	35 mm

PC Setting (Example of Medium Exchange Mode)

Mode Selection:
Manual
Media Exchange
Perfusion
Gradient (Option)

Pump Control:
Input Pause
Start Process Pause
Stop Error Clear

MENU
INPUT START STOP PAUSE PROCESS PAUSE ERROR CLEAR

OCM Port

	Device	Fluid/Function	Flow Rate (uL/min)	Process											
				1		2		3		4		5			
				Volume	Pause	Volume	Pause	Volume	Pause	Volume	Pause	Volume	Pause	Volume	Pause
Ch1	DC1	Custom	Medium	10.0	0.0		0.0		2.0		0.0		2.0		
Ch2	DC2	Custom	Waste	10.0	0.0	10.0		2.0		0.0		2.0		0.0	
Ch3	PIEZO1	Custom	ReagentA	3.0	0.1		0.0		0.0	10.0		0.0		0.0	0.0
Ch4	PIEZO1	Custom	ReagentB	3.0	0.0		0.0		0.0			0.0		0.0	

Sequence Setting:
Reagent, volume, and pause time (cycle) can be set for each pump.

Processes under this setting:

Process 1: Add 0.1ml of reagent A to the dish. Pause for 10 seconds.

Process 2: Remove to waste 2.0ml of medium/reagent mixture.

Process 3: Feed 2.0ml of new medium to the dish. Pause for 10 seconds.

Process 4: Remove to waste 2.0ml of medium.

Process 5: Add 2.0ml of new medium to the dish.

Options

Gradient mode

Gradient mode can control the concentration by gradually changing the flow rates of the 2 perfusion pumps.

Additional reagent Pumps

Up to 4 reagent lines can be added. (To be placed outside of the incubator)

Note: Details including specifications may change without notification.