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## OPEN BACCESS



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**Protocol status:** Working We use this protocol and it's working

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# © Dispensing (non-L1) C. elegans to 96 well imaging plates using Integra VIAFILL

Forked from Dispensing C. elegans to 96 well tracking plate using Integra VIAFILL

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#### **ABSTRACT**

Protocol for dispensing later larval stage *C. elegans* into 96 well plates using the Interga VIAFILL dispenser. A bleach synchronised *C. elegans* population should be "re-fed" onto agar plates in advance.

#### **MATERIALS**

M9 Buffer [3 g KH<sub>2</sub>PO<sub>4</sub>, 6 g Na<sub>2</sub>HPO<sub>4</sub>, 5 g NaCl, 1 ml 1 M MgSO<sub>4</sub>, H<sub>2</sub>O to 1 litre. Sterilize by autoclaving.]

Integra viafill

Integra Viafill Cassette: 8 Channel Small Bore. Part number: 5722

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PROTOCOL integer ID: 96374

### **Configure the Integra VIAFILL**

- 1 Insert a small cassette into the machine.
- 2 Create a new program (or use existing program) with the following settings:
  - **2.1** Mode: Repeat Dispense

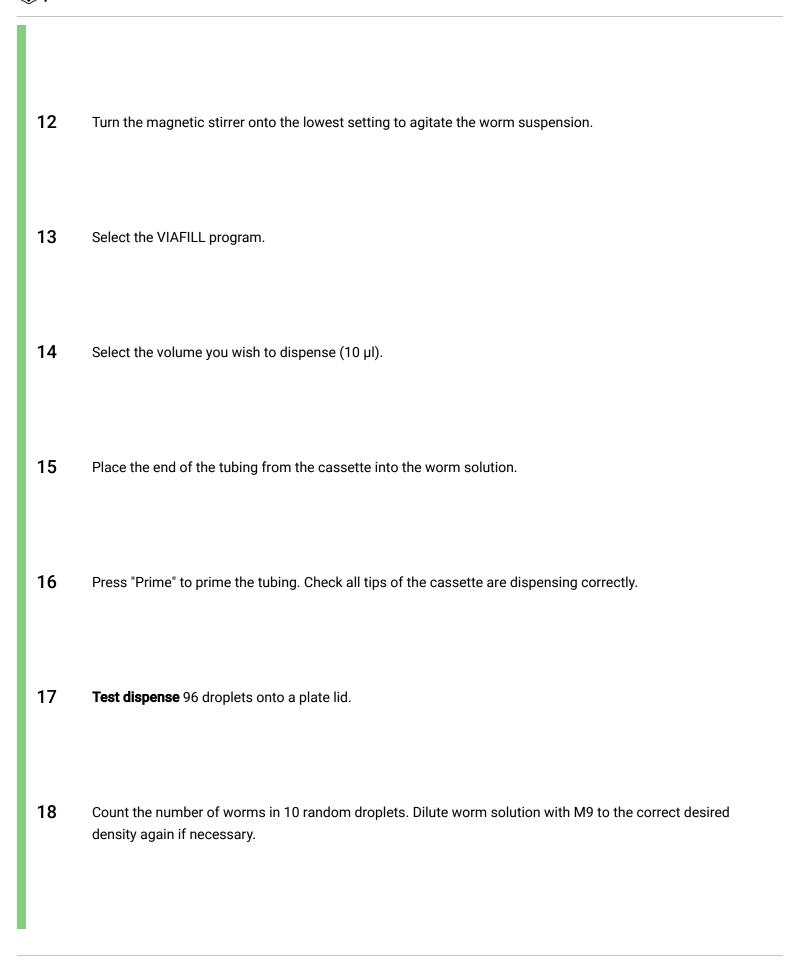
Tubing: 8 channel small

Plate: 96 Volume: 10 µl Map: Full Speed: Fast

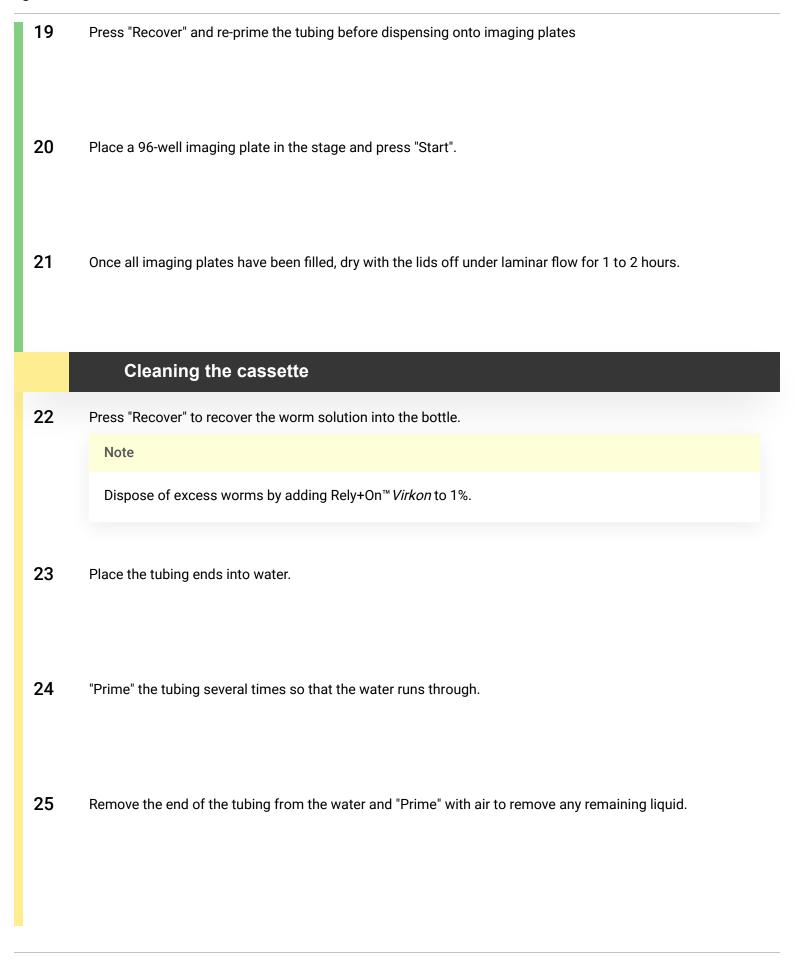
- 2.2 To adust the height, put a plate into the stage and press the "Height" button on the display. The plate clearance, dispense and pre-dispense heights can all be easily adjusted using the arrows. Click the back arrow to return to the program screen.
- **2.3** Save these settings.

## **Preparing C. elegans**

3 Wash worms off plates with several ml of M9 solution and transfer to 15ml falcon tubes.



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Remove the cassette from the machine, place in an empty tip box, and autoclave.