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My test protocol

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Other

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ABSTRACT

This is an illegitimate protocol used for testing purposes.

PROTOCOL CITATION

Abby Moore 2021. My test protocol. **protocols.io**
<https://protocols.io/view/my-test-protocol-bth6nj9e>

LICENSE

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CREATED

Mar 21, 2021

LAST MODIFIED

Apr 13, 2021

PROTOCOL INTEGER ID

48414

substance combination

48m

- 1 These are my instructions on how to combine substances to make media. Here, I made a tag for NGMA

[Nematode growth media agarose](#) Contributed by

users Catalog #substance_media_ngma

. I can

specify this cat no because it will always be the same.

I can also include a field to fill out the substance type, but I would prefer to set a default value for this key instead of having to fill it out via a protocol run.

substance_type

Here, I don't specify the cat no for TB and glycerol because it might change. Also, I don't create a custom key-value set for each component to capture info like mfg, cat no, lot etc. because I don't know how many different cat no and lots I'll have.

50 mL Terrific broth

50 mL Glycerol

autoclaving 48m

- 2 These are my instructions on how to autoclave the media from step 1. I can specify a value for duration, but I can't set default values for cycle type and cycle number. I'll have to specify them during the run. ^{45m}

🕒 00:45:00

cycle_type	<input type="text"/>
cycle_number	<input type="text"/>

Look, protocols.io lets me select an autoclave.

8-Liter Autoclave

Portable Stainless Steel Pressure Steam Sterilizer

China XFS-D-8L [🔗](#)

Voltage: 220 V (AC)

Power: 1.2 kW

Working Medium: Steam

Design Pressure: 0.17 MPa

Working Temperature: 129 °C

Frequency: 50 Hz

Useful Life: 5 Years

Delivery Date: 3. Oct, 2019



centrifugation 48m

- 3 Here, I'll centrifuge my media. I can specify all my default values with the default centrifugation component in protocols.io. ^{3m}

🕒 1800 rpm, 20°C, 00:03:00

substance combination 48m

- 4 Here, I'm going to make [🔗bleaching solution for C. elegans Contributed by users](#). That tag already existed in protocols.io. I don't know ahead of time the cat no of the bleach I'll use, so I can't specify that with a tag.

Here, I'll specify the % v of each component.

[M] 10 % volume bleach

[M]90 % volume H2O

I can't create a default value for total volume, so I'll include a field here to fill out during my protocol run.

total_volume	<input type="text"/>
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establishing growth environment

5 Now I'm going to use

[☒ Nematode growth media agarose Contributed by users Catalog #substance_media_ngma](#)

from steps

1-3 to pour into

[☒ PYREX™ Reusable Petri Dishes: Complete, Complete; Dia. x H: 100 x 15mm Thermo Fisher Catalog #08747C](#)

I can't specify a default value for the total volume of media poured in the container, but I can create a custom key-value pair. Because I have two different materials listed here, I need to specify what material the total volume applies to.

total_volume	<input type="text"/>
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substance_type	<input type="text"/>
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seed

6 Let's seed the growth environment made in step 5 using the

[☒ bleaching solution for C. elegans Contributed by users](#) made in step 6.

There's no default component for me to specify the number of organisms to seed, so I'll create a custom field to specify that during the run.

number_organisms	<input type="text"/>
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substance combination

7

Finally, I'll make a solvent. I know ahead of time what the mfg and cat no will be for my components.

☒ Methanol Optima™ LC/MS Grade Fisher Chemical **Fisher**

Scientific Catalog #A456-4

☒ Water Optima™ LC/MS Grade Fisher Scientific **Contributed by**

users Catalog #10728098

[M] **1 % volume Methanol**

[M] **90 % volume H2O**

total_volume