Cell Culture

Author

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Categories

- Sterile Workflows
    - Cell Culture

Description

This protocol performs a custom 12-factor cell culture assay in a 96-deepwell plate.

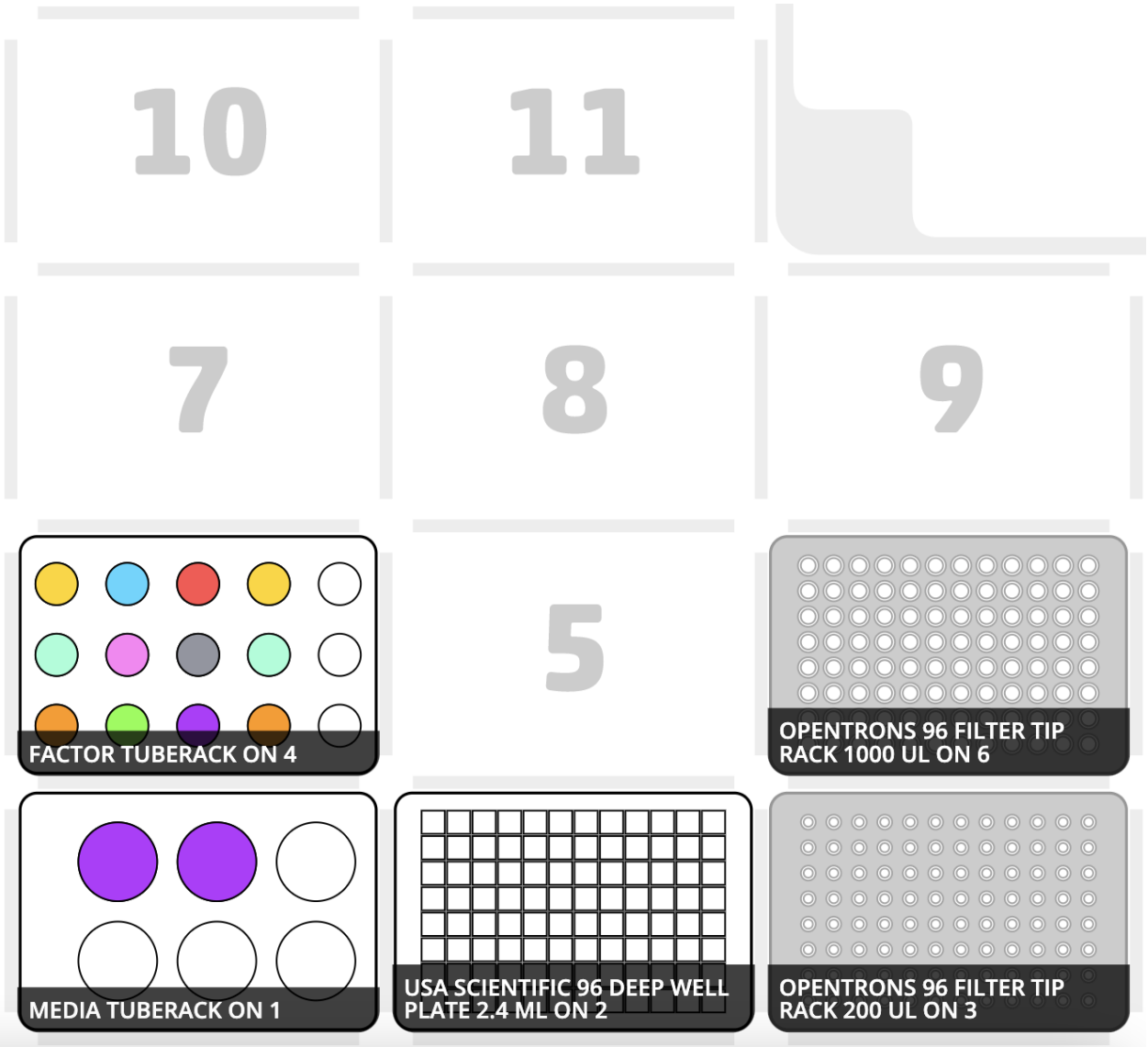
Labware

- Opentrons 6 Tube Rack with Falcon 50 mL Conical
- USA Scientific 96 Deep Well Plate 2.4 mL #1896-2000
- Opentrons 96 Filter Tip Rack 200 µL
- Opentrons 96 Filter Tip Rack 1000 µL

Pipettes

- Opentrons P1000 Single Channel Electronic Pipette (GEN2)
- Opentrons P300 Single Channel Electronic Pipette (GEN2)

Deck Setup


10
11
7
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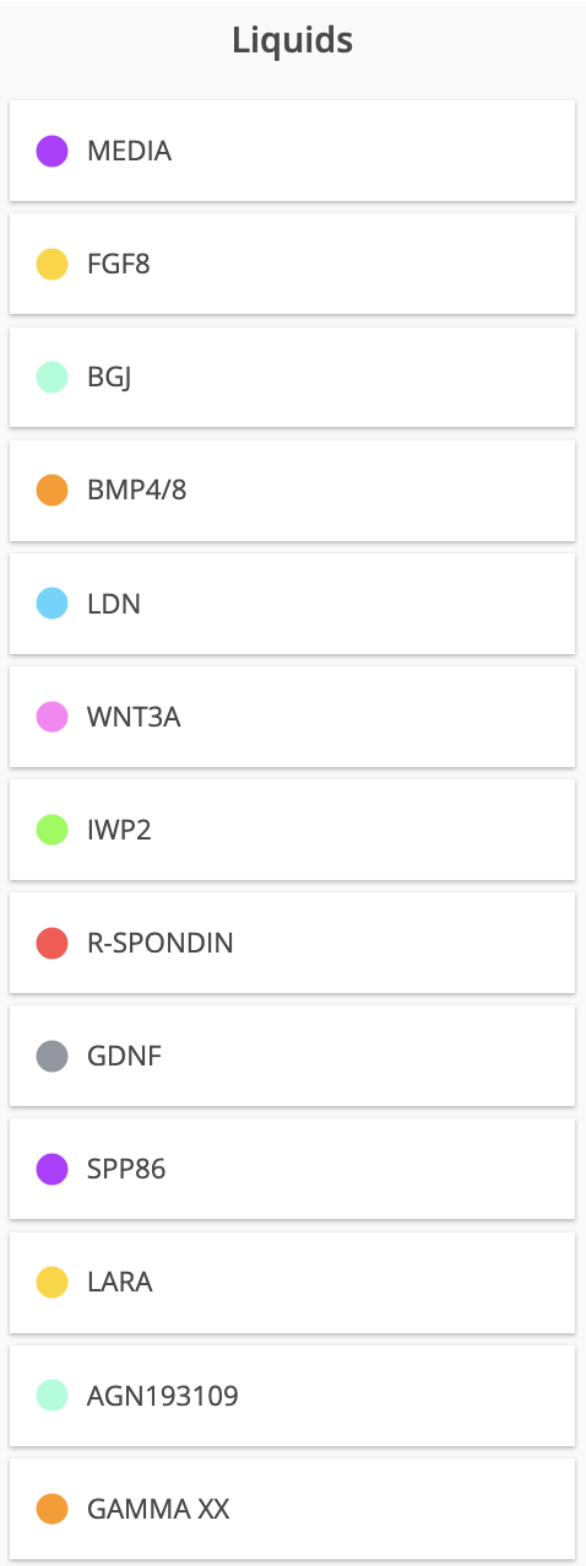
FACTOR TUBERACK ON 4
OPENTRONS 96 FILTER TIP RACK 1000 UL ON 6
MEDIA TUBERACK ON 1
USA SCIENTIFIC 96 DEEP WELL PLATE 2.4 ML ON 2
OPENTRONS 96 FILTER TIP RACK 200 UL ON 3

Reagent Setup



Process

1. Input your protocol parameters above.
2. Download your protocol and unzip if needed.
3. Upload your custom labware to the OT App by navigating to `More` > `Custom Labware` > `Add Labware`, and selecting your labware files (.json extensions) if needed.
4. Upload your protocol file (.py extension) to the OT App in the `Protocol` tab.
5. Set up your deck according to the deck map.
6. Calibrate your labware, tiprack and pipette using the OT App. For calibration tips, check out our support articles.
7. Hit "Run".

Additional Notes

If you have any questions about this protocol, please contact the Protocol Development Team by filling out the Troubleshooting Survey.