EmbgenixTM PGT-A Kit: Preparation of Whole Genome Amplification

Author

Opentrons

Categories

- NGS Library Prep
    - EmbgenixTM PGT-A

Description

This protocol performs the EmbgenixTM PGT-A Kit: Preparation of Whole Genome Amplification, parts V-VI:B.

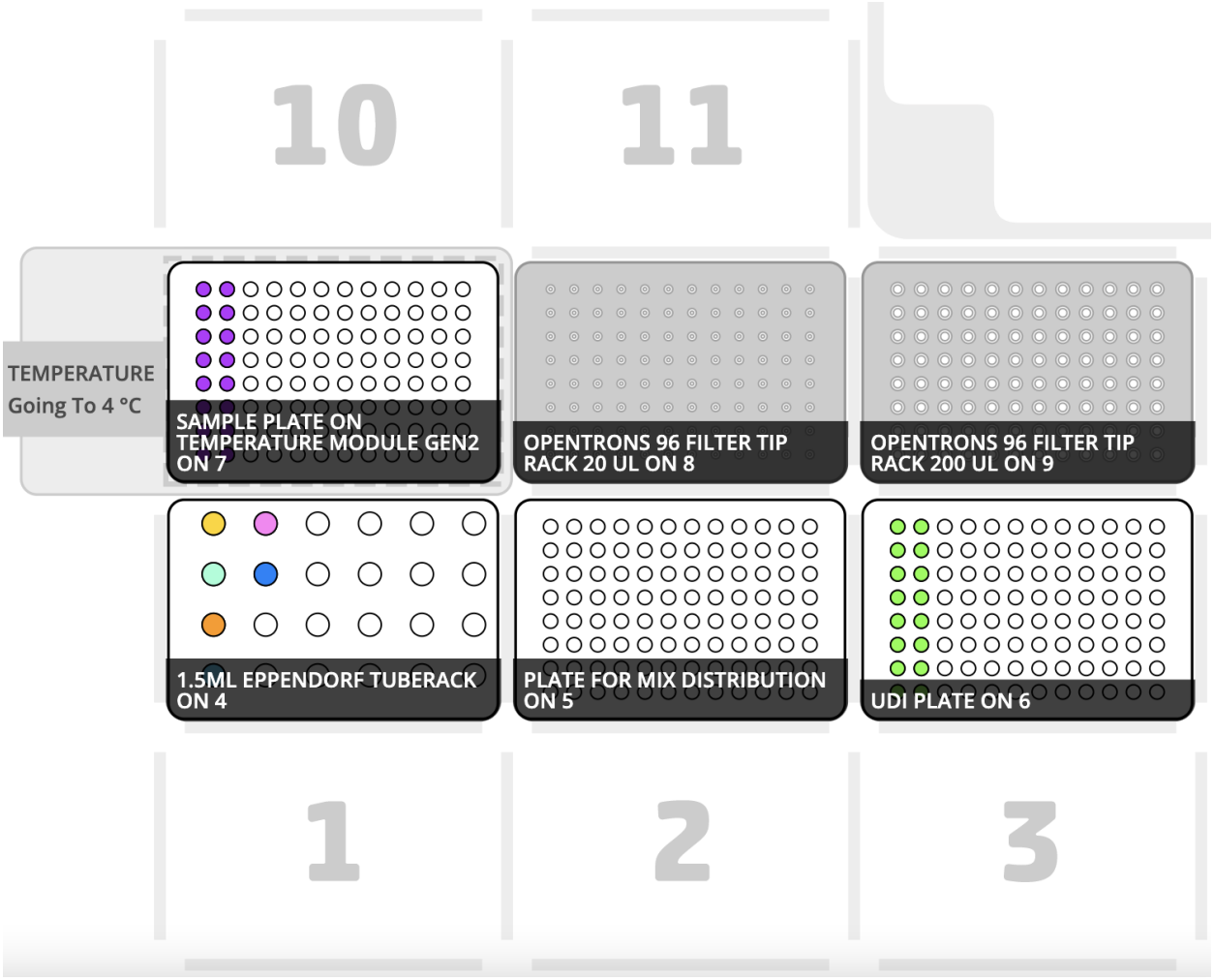
Modules

- Opentrons Temperature Module (GEN2)

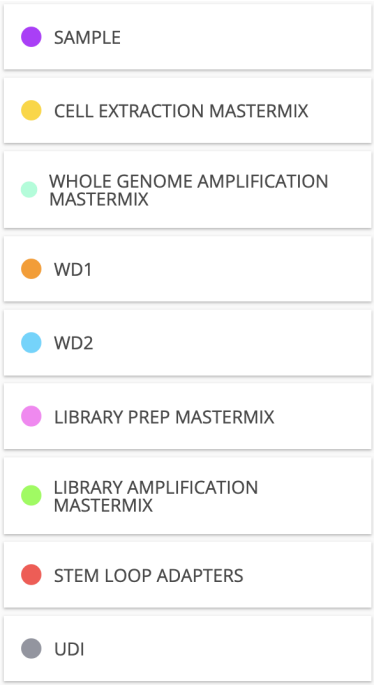
Labware

- Opentrons 96 Well Aluminum Block with NEST Well Plate 100 µL
- Opentrons 24 Tube Rack with Eppendorf 1.5 mL Safe-Lock Snapcap

Deck Setup


10
11
TEMPERATURE
Going To 4 °C
SAMPLE PLATE ON TEMPERATURE MODULE GEN2 ON 7
OPENTRONS 96 FILTER TIP RACK 20 UL ON 8
OPENTRONS 96 FILTER TIP RACK 200 UL ON 9
1.5ML EPPENDORF TUBERACK ON 4
PLATE FOR MIX DISTRIBUTION ON 5
UDI PLATE ON 6
1
2
3

Reagent Setup



- Columns 1-2 on Temperature Module Plate (slot 7): Starting sample
- A1 on Tuberack (slot 4): Cell Extraction Master Mix
- B1 on Tuberack (slot 4): Whole Genome Amplification Master Mix
- C1 on Tuberack (slot 4): WD2
- D1 on Tuberack (slot 4): WD2
- A2 on Tuberack (slot 4): Library Prep Master Mix
- B2 on Tuberack (slot 4): Library Amplification Master Mix
- Columns 5-6 on Mix Distribution Plate (slot 5): Stem Loop Adapters
- Columns 1-2 on UDI Plate (slot 6): UDI

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.