

Embgenix™ PGT-A Kit: Preparation of Whole Genome Amplification

Author

[Opentrons](#)

Categories

- NGS Library Prep
 - Embgenix™ PGT-A

Description

This protocol performs the [Embgenix™ 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

[deck](#)

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 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.

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