🌿 PROPAGIA – Propagation Tube Set with Pods and Tray – 3D Printable

Build your own modern propagation station with this 3D-printable **Propagation Tube Set**, designed for simplicity, clarity, and flexibility. The set includes a **3D-printable clear tube**, **interchangeable pods** to fit various tube sizes (including glass), and a **low-profile tray** to catch drips and keep your setup organized.

Perfect for plant lovers, hydroponic enthusiasts, and minimalists who appreciate clean design.

🧩 Included Files

- **Propagation Tube** – 25 mm diameter, 150 mm tall (optimized for vase mode 3D printing)
- **Pods** – Compatible with **20 mm**, **25 mm**, and **30 mm** diameter tubes (ideal for pre-purchased glass)
- **Tray** – A simple bottom tray to organize the pods and catch drips

🖨️ Printing Guide

✅ Recommended: Vase Mode for Tube (Clear PETG)

For a sleek, glass-like result, print the tube in **clear PETG** with the following settings:

- **Mode:** Vase mode (spiralized outer contour)
- **Nozzle Size:** 0.4 mm
- **Outside Wall Line Width:** 0.7 mm (found under “Quality” settings)
- **Layer Height:** 0.16 – 0.2 mm
- **Bottom Layers:** 6 (for a strong, watertight base)
- **Extrusion Multiplier (Flow Rate):** 1.04 – 1.06
- **Nozzle Temperature:** 260 – 270 °C
- **Speed:** Slow – reduce max volumetric speed to suit PETG behavior

💡 **Why Vase Mode?**
It produces seamless, transparent walls and a watertight base using a continuous spiral motion.

🛠️ Alternate Option: Standard Mode

For a more rigid or opaque print, use standard (non-vase) settings:

- **Walls:** 2–3 perimeters
- **Layer Height:** 0.16 – 0.2 mm
- **Bottom Layers:** At least 6

Ensure the bottom is sealed to prevent leaks.

🧪 Pods

Pods are designed to hold both the printed tubes and common glass propagation tubes. Available in:

- **20 mm**, **25 mm**, and **30 mm** diameter openings
- Optimized for printing with a 0.4 mm nozzle, **no supports required**
- Insert your chosen tube into the pod, then place the pod on the tray for neat arrangement

🧺 Tray – Low-Profile Base

- Designed as a flat base to organize pods and catch minor spills
- Recommended Print Settings:
  - **Material:** PLA or PETG
  - **Infill:** 10–15%
  - **Walls:** 2 perimeters
  - **Supports:** Not required

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