Penis Envy 6 (PE6) Psilocybe Cubensis Spore Syringe UK | Rare Double-Density Spores for Microscopy

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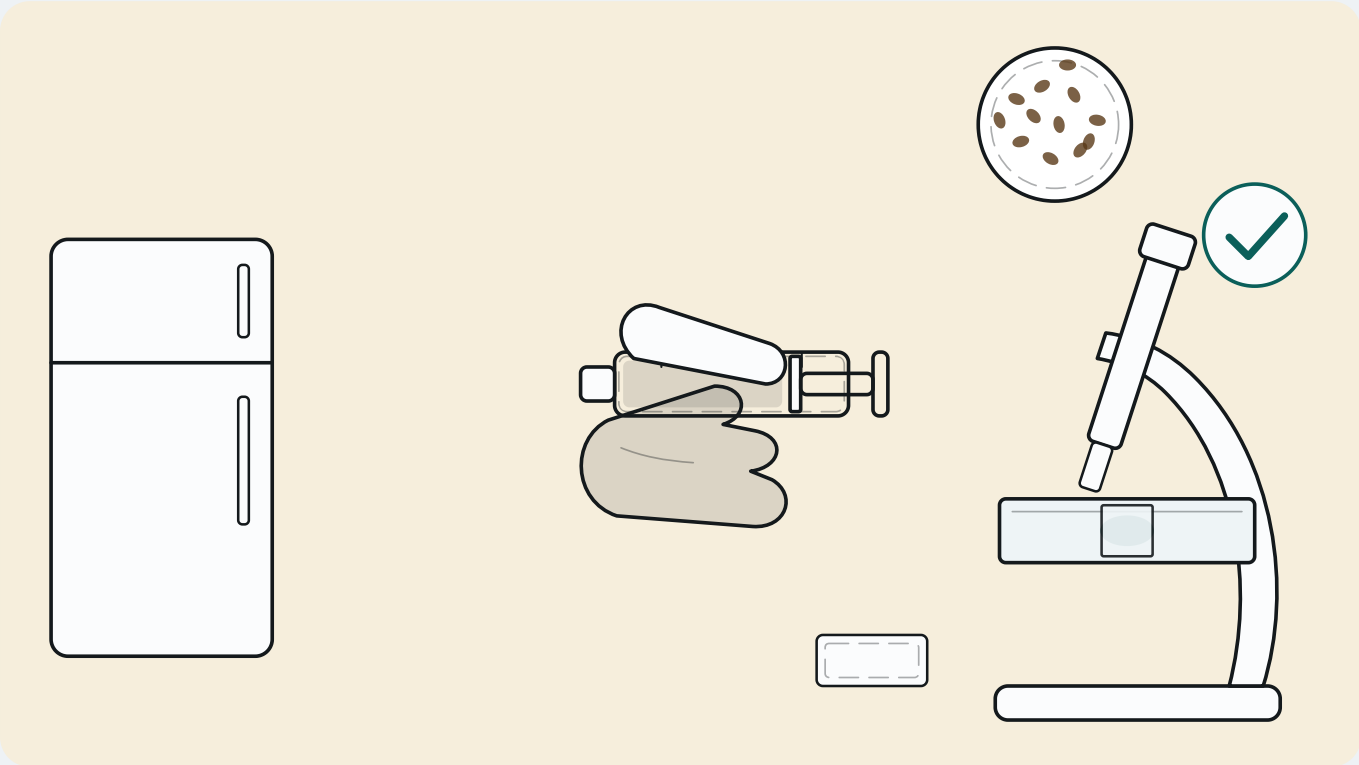
HOW THE SYRINGE IS USED FOR MICROSCOPY



1 Shake the syringe for ten seconds, cap on

2 Cap off

3 Needle on straight from its wrapper, never heated or wiped; cover off

4 One drop through the needle onto the slide

5 Coverslip down

6 Under the microscope: for microscopy and taxonomy

7 Needle off, end cap back on

8 Into the fridge at 2 to 8 °C

About Penis Envy 6

PENIS ENVY 6 (PE6) Psilocybe Cubensis Double-Density Spore Syringe (UK). The PE6 Psilocybe cubensis spore syringe — also known as Penis Envy 6 — is a rare hybrid born from the union of Penis Envy and Texas Cubensis genetics. This advanced microscopy strain blends the thick-walled, slow-developing spores of Penis Envy with the vigorous, resilient characteristics of Texan cubensis varieties. Prepared in a HEPA-filtered UK laboratory, each syringe contains double-density spore concentration for unmatched clarity under magnification. Available in 2.5 ml, 10 ml, and 20 ml formats and supplied with a sterile medical-grade needle, PE6 delivers the precision required for serious microscopy research.

Origin and lineage

PE6 is described in the trade as a cross between Penis Envy and a Texas cubensis line. The classic Penis Envy strain is a sparse spore producer and prints from it are thin, which made it awkward to supply for microscopy. PE6 was selected to keep the characteristics that make the family interesting on a slide while producing a dependable quantity of spores.

Under the microscope

At 400× a drop from a PE6 syringe gives a well-populated field, and it is easy to find isolated spores to measure. The spores show the cubensis form: subellipsoid to slightly ovoid, dark purple-brown in mass, with a visible apical germ pore. At 1000× under oil immersion the wall thickness and pore detail are typical of the species. Set alongside classic Penis Envy and Albino Penis Envy on adjacent slides, PE6 makes a useful third member of a family comparison, though the spore form itself is shared across the family and the wider species.

What it is used for

PE6 suits a Penis Envy family set, with classic Penis Envy, Melmac and Albino Penis Envy, to examine how much variation in dimension and pigment a single lineage holds. It also serves as a dependable general cubensis reference for teaching spore morphology, because a single drop gives enough well-separated spores for measurement practice. Record length and width for ten or twenty spores per slide and the overlapping ranges make the point that named strains are not told apart by morphology alone.

Handling and storage

Keep the syringe refrigerated at 2–8 °C and do not freeze it; unopened it keeps for up to 6 months. Each syringe comes with one individually wrapped sterile needle. Fit the needle, shake the syringe to lift the spores back into suspension, and place a single drop on a clean slide before adding a coverslip. Between uses, recap the needle and return the syringe to the fridge. Spare needles and gloves are available as extras for anyone who prefers a fresh needle for each slide.

Species	Psilocybe cubensis
Strain	Penis Envy 6 (PE6)
Lineage	Penis Envy family; described in the trade as a cross of Penis Envy and a Texas cubensis line
Format	Double-density spore suspension in a sterile syringe
Available volumes	2.5ml, 10ml and 20ml
Included	One individually wrapped sterile needle
Storage	Refrigerate at 2–8 °C; do not freeze
Shelf life	Up to 6 months unopened
Intended use	Microscopy and taxonomic research only

How to Study Psilocybe Cubensis Spores Under a Microscope

Disclaimer

- This guide is for microscopy and educational purposes only.
- Cultivating or germinating spores into mushrooms containing psilocybin is illegal in the UK.

Introduction

- Each spore is a tiny, structured cell, and under the lens it shows its shape, size, wall and pigmentation.
- SporeSyringes.co.uk supplies double-density Psilocybe cubensis spore syringes, every batch checked under the microscope before dispatch, so the field is well populated for beginners and professionals alike.

Step 1: Prepare Your Workspace

Choose a clean, well-lit area and wipe the surfaces with isopropyl alcohol. You need:

- A microscope (400 to 1000× magnification)
- Sterile slides and coverslips

- A spore syringe (2.5 ml, 10 ml or 20 ml)
- Gloves and alcohol wipes
- A still air box, if you have one, to keep contaminants away while the slide is prepared

Step 2: Applying the Spore Solution

1. Shake the syringe for ten seconds with its cap on, so the spores disperse evenly.
2. Cap off, then fit the sterile needle straight from its wrapper; never heat or wipe it.
3. Take the needle cover off and put one small drop of solution onto the microscope slide.
4. Lower a coverslip over the drop carefully, to avoid air bubbles.
5. Needle off, end cap back on, and the syringe back in the fridge at 2 to 8 °C.

You now have a ready-to-observe spore sample. Strain clarity

Step 3: Viewing Under the Microscope

- Start at 400× to find the spores, then move to 1000× for detail.
- Expect ellipsoid spores, each strain with its own surface texture and pigmentation. The one exception among the strains we have imaged is Creeper, whose spores are angular rather than ellipsoid under the electron microscope.
- Strains such as Golden Teacher, Albino A+ and Hill Billy are studied side by side; spore size and colour overlap between strains, so record what you see rather than expecting a signature for each.

Step 4: Recording Your Findings

Take photos or notes of each strain's spore pattern. Over time you will learn to identify:

- Spore size and shape
- Colour variations (dark brown, purple or translucent)
- Wall thickness and density

Step 5: Build Your Microscopy Collection

- Many enthusiasts collect and compare spores from various strains for taxonomy studies.
- Start with a reliable source such as SporeSyringes.co.uk, where every batch is checked under the microscope before it is released.

Advanced Observation Tips

- Use MEA agar plates to grow out gourmet cultures and observe mycelium under the microscope.
- Compare strains such as Golden Teacher and B+ side by side to see the variations in spore shape and density; our Golden Teacher vs B+ guide walks through the differences.
- Record what you see for each strain, so your collection becomes a reference you can return to.

Key Takeaway

- Studying Psilocybe cubensis spores connects science and wonder. With clean, double-density spore syringes and the right tools, anyone can explore the structure and diversity of these remarkable organisms: legally, safely and with precision.

Internal Links:

- Buy Magic Mushroom Spore Syringes UK

- Learn About Double Density Spores
- Still Air Boxes for Microscopy

Psilocybe cubensis spores are supplied for microscopy and taxonomy only.

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