# Xico Psilocybe Cubensis Spore Syringe UK | Double-Density Research Spores

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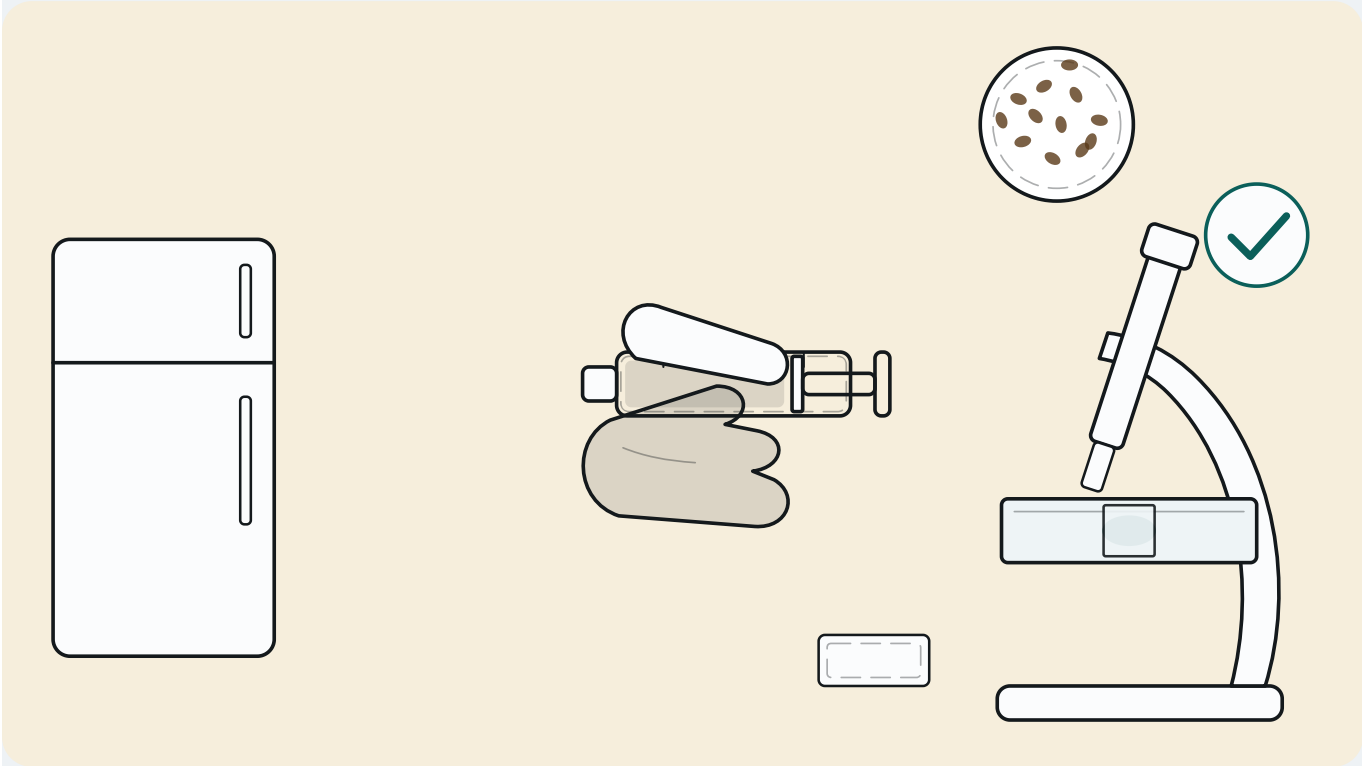
HOW THE SYRINGE IS USED FOR MICROSCOPY



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 Xico

Xico Psilocybe Cubensis – Double-Density Spore Syringe (UK). The Xico Psilocybe cubensis spore syringe is a Mexican-origin microscopy strain valued for its consistent spore structure and clear visibility under magnification. Often grouped with traditional cubensis varieties from the region, Xico provides a reliable sample for studying spore morphology and structural variation. At SporeSyringes.co.uk, each syringe is prepared in HEPA-filtered UK laboratory conditions and contains a double-density spore solution for enhanced clarity and consistent slide preparation. This Xico spore syringe UK is ideal for microscopy research and educational study.

### Origin and lineage

Xico is a Mexican-origin line and is generally grouped with the traditional cubensis varieties of that region. The wider cultural history is worth a note: the term teonanácatl, often translated as flesh of the gods, was used by indigenous Mesoamerican cultures to describe certain mushroom species, and modern mycology treats such references as part of the historical and cultural record around the fungi of the area. That context sits alongside the strain rather than describing it. The strain's identity, as with any named cubensis cultivar, rests on the provenance of the source print rather than on anything visible under the microscope.

### Under the microscope

Xico spores are defined ellipsoids with the smooth, thick wall and visible apical germ pore that mark Psilocybe cubensis. Individual spores show a medium-brown pigmentation under transmitted light, with the dark purple-brown of the species appearing when the spores are seen in mass. At 400× to 1000× the suspension gives a clear, stable field that holds up well over repeated slides, which makes the line a sound subject for structural comparison and for recording spore distribution across a drop.

### What it is used for

Xico is commonly studied alongside other Mexican Psilocybe cubensis lines, Mazatapec, Mexican, Aztec God and Mexican Dutch King among them, to record differences in pigmentation, size and spore distribution between named strains of one species. Its stable field also suits teaching demonstrations of cubensis spore structure and practice in high-magnification slide preparation. Reference collections hold it as a representative of the traditional Mexican group; any variation noted against a neighbouring line is an observation to record, not a means of identification.

### Handling and storage

Keep the syringe refrigerated at 2–8 °C, sealed and upright, away from direct sunlight, and never freeze it. Unopened it keeps for up to six months. Shake gently before each session so the spores are evenly suspended, fit the supplied needle and place a single drop on a clean slide under a coverslip. Recap the syringe and return it to the refrigerator afterwards. Spare needles and gloves are available as extras if you prefer a fresh needle each time.

| | |
|---|---|
| Species | Psilocybe cubensis |
| Strain | Xico |
| Lineage | Mexican-origin 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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