Starter Pack, Golden Teacher and B+ Spore Syringes, 10ml Each

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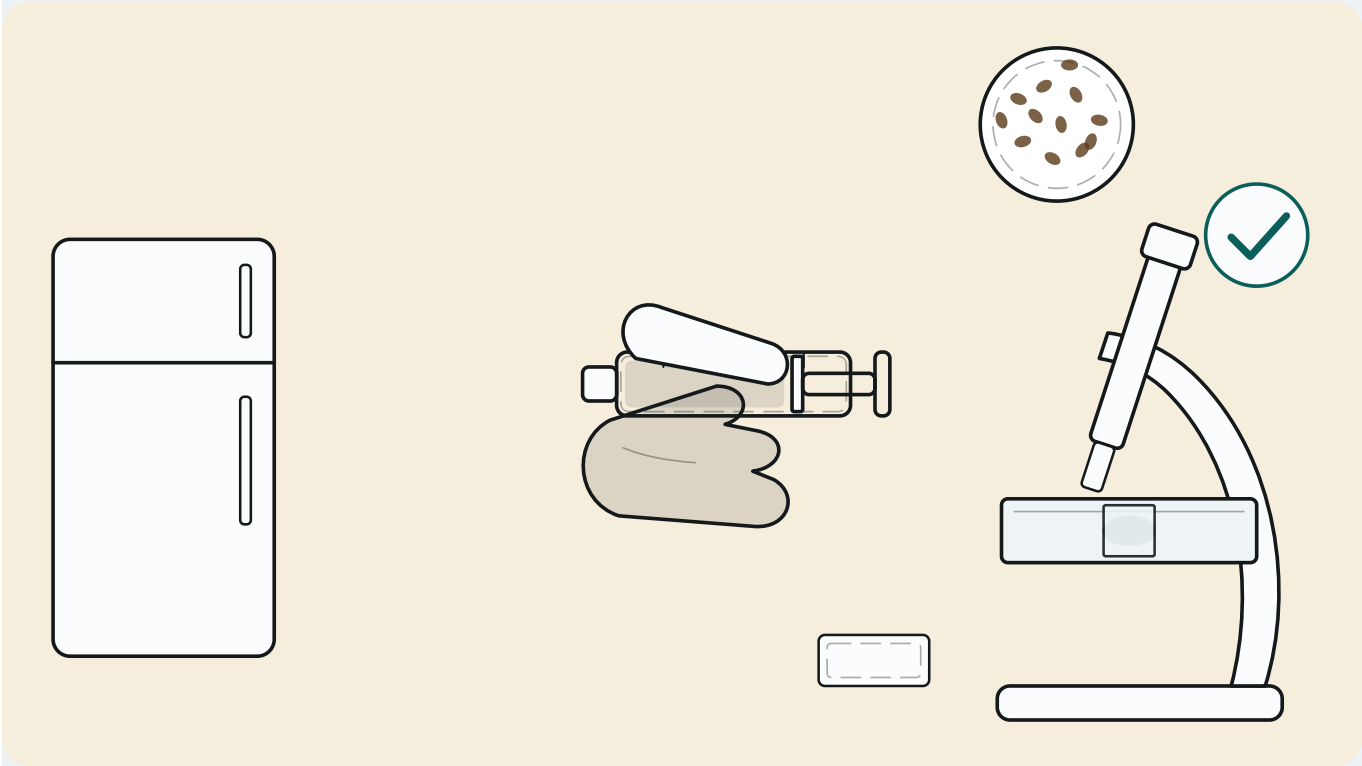
HOW THE SYRINGE IS USED FOR MICROSCOPY



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 Golden Teacher and B+ Starter Pack

The Starter Pack spore syringe set pairs a 10ml Golden Teacher with a 10ml B+, two standard Psilocybe cubensis strains prepared to the same double-density specification. It is put together for anyone beginning a microscopy reference collection who wants two named strains to examine side by side.

Under the microscope

Both syringes contain standard, non-albino cubensis spores, so each slide shows the same species-level picture: broadly ellipsoid, smooth, thick-walled spores with a distinct germ pore, dark purple-brown in mass. B+ spores are noted for a deep chocolate-brown pigment and a slightly elongated outline; Golden Teacher is a familiar reference strain with the same species characteristics. Working across both at 400× and then at 1000× is a good way to learn how consistent cubensis spores are, and how little a named strain reveals at the level of the single spore.

What it is used for

The pack is a two-strain comparison set for a first reference collection. The traits the descriptions rest on belong to the mushroom rather than the spores: Golden Teacher is described by its golden-capped appearance, and B+ by its large caramel-coloured caps. Neither trait appears on a slide, which is part of the lesson. Preparing a slide from each syringe, labelling both and recording what you find is a straightforward introduction to spore morphology and to the habit of keeping provenance records, since one named cubensis strain cannot be told from another by morphology alone.

Handling and storage

Each 10ml syringe is supplied with its own individually wrapped sterile needle. Refrigerate both at 2–8 °C and do not freeze; unopened, they keep for up to six months. Fit the needle only when you are ready to make a slide, and replace the cap afterwards. Keep the two syringes labelled and apart, and use a fresh needle for each if you want to avoid carrying spores from one preparation into the other. Spare needles and gloves are available as extras.

Species	Psilocybe cubensis
Strain	Golden Teacher and B+
Format	Double-density spore suspension in a sterile syringe
Available volumes	10ml of each strain
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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