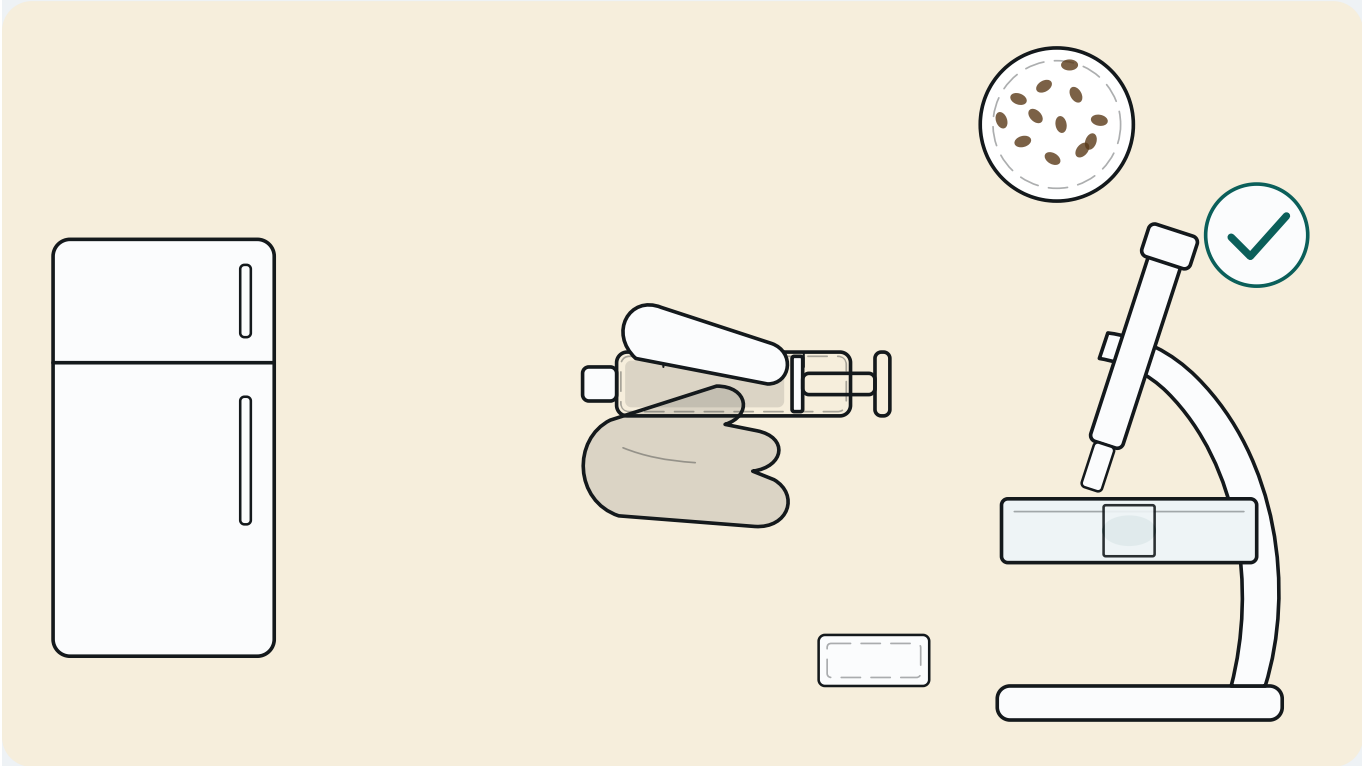
Golden Billy Psilocybe Cubensis Spore Syringe UK | Golden Teacher × Hill Billy Cross

From sporesyringes.co.uk/spore-syringes/golden-billy, where the drawings move and the page is kept current.

Scan for this page

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 Billy

The Golden Billy spore syringe carries a double-density suspension of Psilocybe cubensis spores from a recently developed cross of Golden Teacher and HillBilly, supplied for microscopy and taxonomic study. It adds a further branch of the Golden Teacher line to a reference collection.

Origin and lineage

Golden Billy is a recently developed cubensis cross combining Golden Teacher with HillBilly. No breeder or date is recorded beyond that, and we do not add to it. As with any named cultivar, the cross cannot be identified from its spores; its place in a collection rests on the provenance of the source print. Each syringe is labelled with its strain and batch reference, and it should be catalogued by that lineage rather than by anything seen on the slide.

Under the microscope

Golden Billy spores are ellipsoid to slightly elongated and dark purplish-brown, with a smooth, thick wall and a distinct germ pore. Wall definition is visible under suitable conditions, and the double-density suspension gives a well-populated field from a single drop. The form sits within the normal range for the species, so a

slide of Golden Billy beside Golden Teacher and HillBilly reference material will show small variation at most; it is worth recording dimensions and pigment rather than looking for a distinguishing feature.

What it is used for

Golden Billy is bought for comparative study. A set of Golden Teacher, HillBilly and the cross lets a student document spore dimensions and pigment across a lineage and its parents, and it serves for morphology documentation and as a reference specimen within the Golden Teacher line. Comparisons of this kind show variation within the species; they cannot confirm which named strain is on the slide.

Handling and storage

Keep the syringe refrigerated at 2–8 °C, away from light, and do not freeze it; unopened it keeps for up to six months. One individually wrapped sterile needle is included. A single drop under a coverslip is enough for a slide. Refit the cap after use, return the syringe to the fridge, and fit a fresh sterile needle each time you draw from it. Spare needles and gloves are offered as extras.

Species	Psilocybe cubensis
Strain	Golden Billy
Lineage	Golden Teacher × HillBilly
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.
© SporeSyringes.co.uk. Printed from sporesyringes.co.uk/spore-syringes/golden-billy.