Roatan Honduras Psilocybe Cubensis Spore Syringe UK | Island Collection

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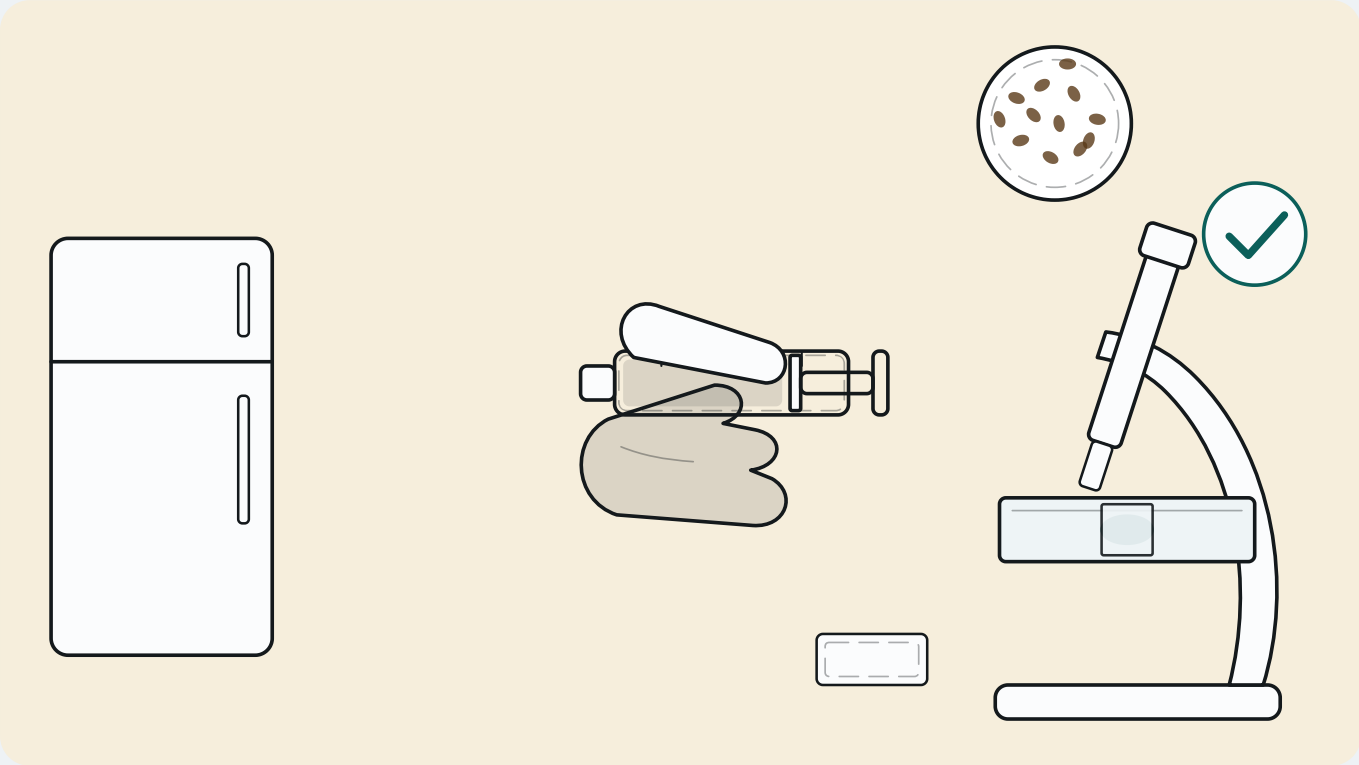
HOW THE SYRINGE IS USED FOR MICROSCOPY



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 Roatan Honduras

Roatan Honduras is a Psilocybe cubensis strain said to come from the island of Roatan, off the north coast of Honduras. It is listed with the South American strains as a Central American member of the set, alongside Panama and Costa Rica. Supplied as a double-density spore syringe, prepared in the UK for microscopy and taxonomic study of spore shape, colour and size range.

Origin and lineage

Roatan Honduras is said to come from a collection on Roatan, the largest of the Bay Islands off the Caribbean coast of Honduras. Honduras is in Central America, but the strain is listed with the South American strains, where Panama and Costa Rica also sit, so that the lines from the isthmus and the continent keep to one page. Its nearest neighbours in the range are Costa Rica and Panama, with Ecuador, Peru, Brazil Corumba and PES Amazonian further south. Each is prepared to the same double density, so a comparison set of these slides shows what the prints hold rather than how the syringes were made.

Under the microscope

Spores are ellipsoid, 11 to 14 by 7 to 9 µm, thick-walled and dark purple-brown, with a germ pore at one end. A drop at 400× gives a full field, and at 1000× under oil the smooth wall and apical pore show clearly. The form is shared across the species, so Roatan Honduras is recorded for its own size range and compared with Costa Rica and Panama on adjacent slides. Measure length and width for twenty spores on each and the ranges overlap, which is the lesson of a regional set: named strains are not told apart by morphology alone.

Handling and storage

Keep the syringe sealed, upright and refrigerated at 2 to 8 °C and use within six months; do not freeze it. Shake before use so the spores lift back into suspension, fit the sterile needle supplied, and put a single drop on a clean slide under a coverslip. Refit the cap and return the syringe to the fridge between sessions. Spare needles and gloves are on the basket page for anyone who likes a fresh needle each time.

Species	Psilocybe cubensis
Origin	Said to be from Roatan, Bay Islands, Honduras
Spore print	Dark purple-brown
Family	South American strains (Central America)
Storage	2 to 8 °C, sealed, use within 6 months
Intended use	Microscopy, taxonomy and educational 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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