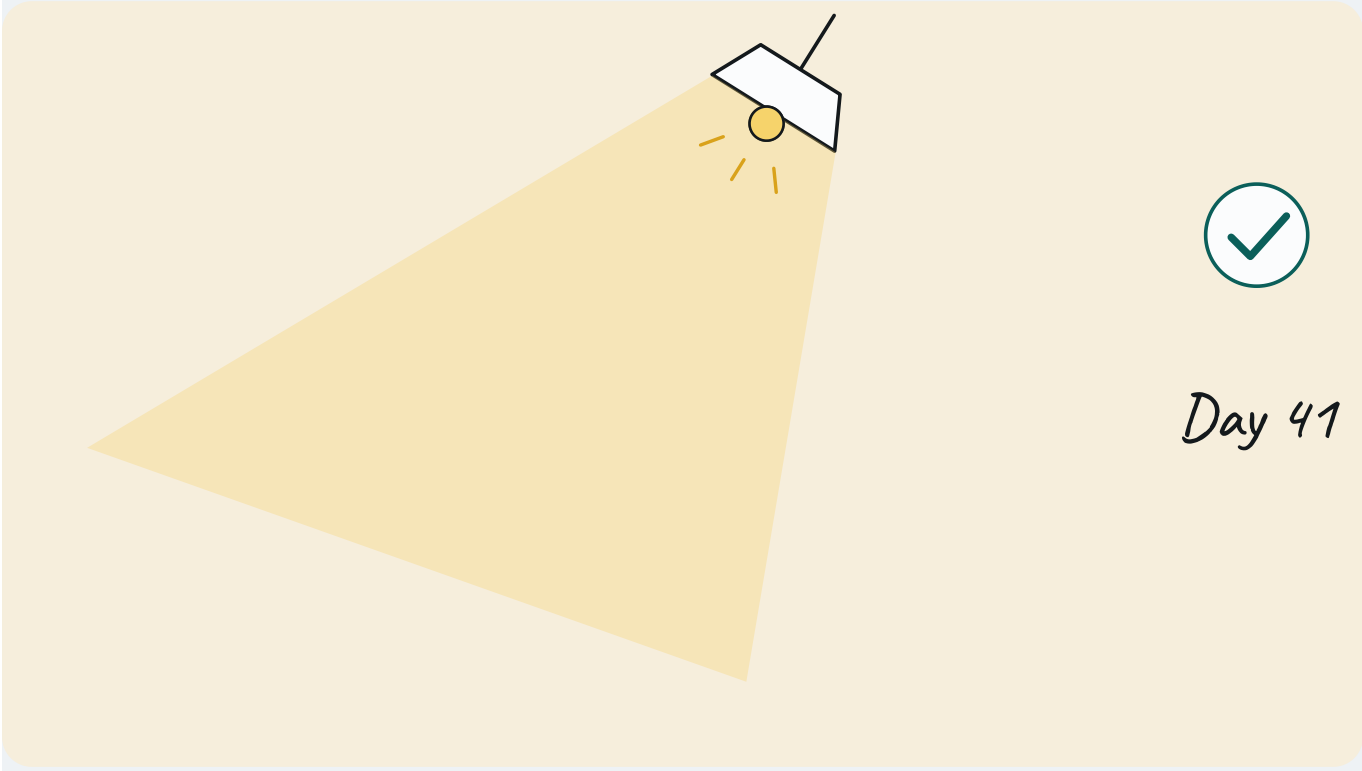
Every drawing, in one place

From sporesyringes.co.uk/guides/animations, where the drawings move and the page is kept current.

Scan for this page

The instruction drawings from the product pages, one of each, in the order a grow runs. Each is shown at its last frame; the numbered words under it are the same as the rules on its instructions page.

Inject-and-Forget bag



1 Wipe the port with the alcohol swab

2 Needle through the port once; inject it all in one place

3 Mix the bag well the same day: knead it, not a little shake

4 Days 1 to 10: germination points all through the substrate

5 Day 10: mix well again and lay it on its side; leave it until day 15

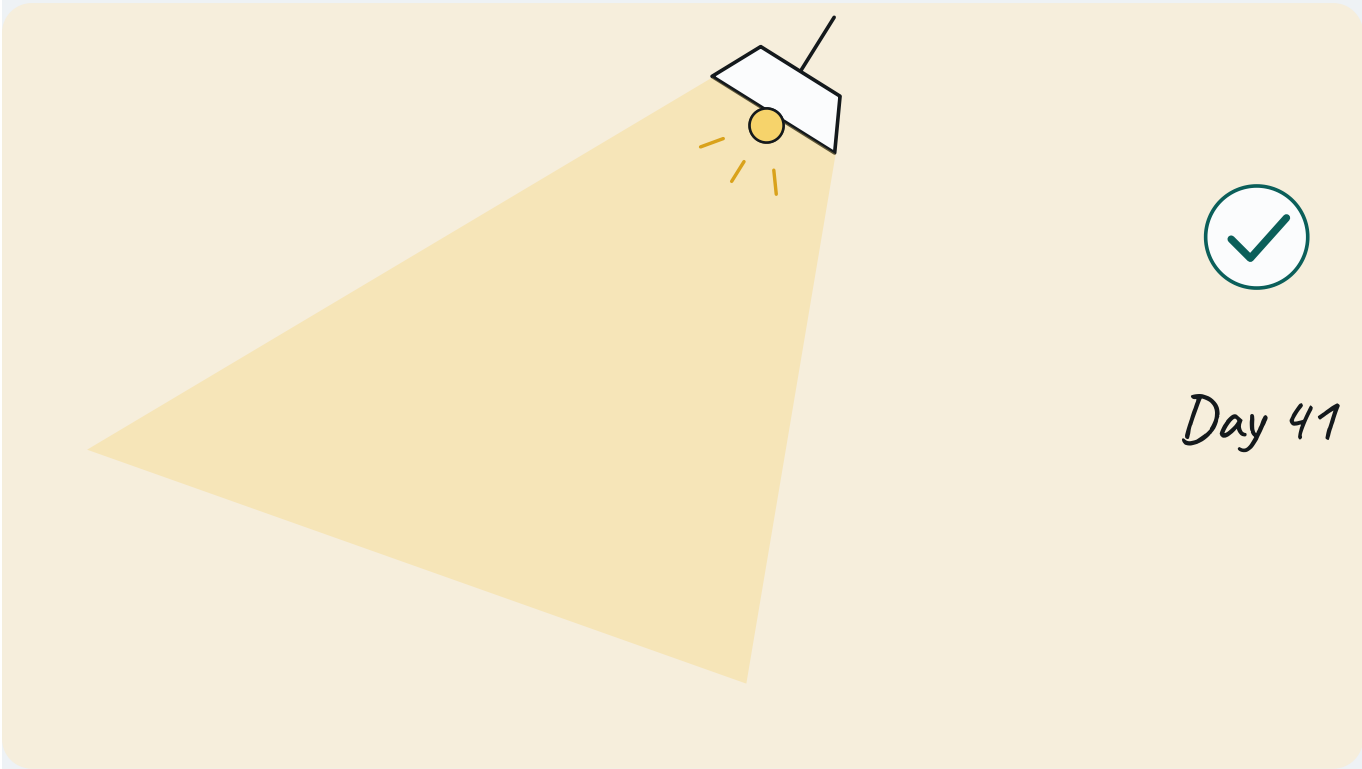
6 Day 15: mix well again, still on its side; leave it until day 20

7 Day 20: mix once more, about four-fifths white; light on, fruiting, sealed

8 Days 34 to 41: mushrooms form, still sealed

On: Mushroom Growing Kit 2lb, Sealed Inject-and-Forget Bag, Mushroom Growing Kit 4lb, Sealed Inject-and-Forget Bag, Large, Mushroom Growing Kit 1lb, Sealed Inject-and-Forget Bag. Instructions: Inject-and-Forget kit instructions.

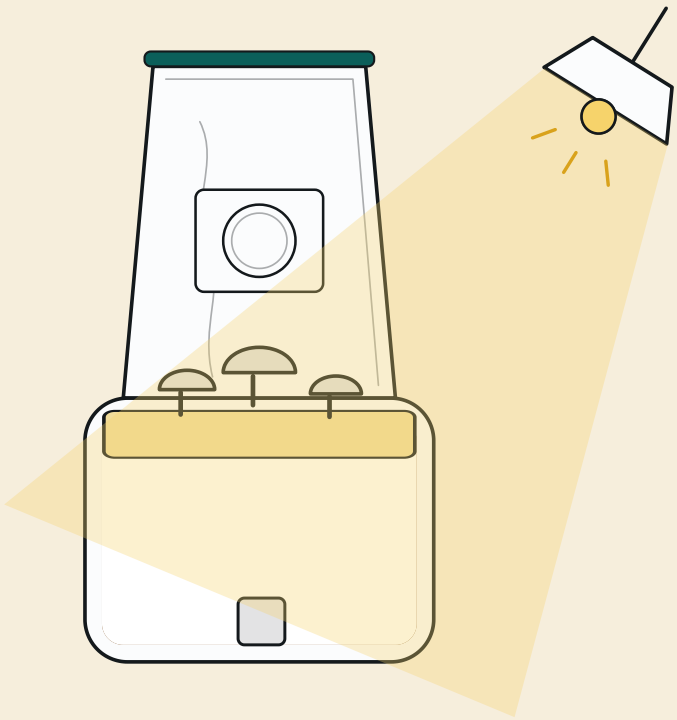
Grain-based grow bag, fruited on its side



1. Wipe the port with the alcohol swab
2. Needle through the port once; inject it all in one place
3. Tilt the bag so the liquid runs across the base; no mixing
4. Days 1 to 10: growth shows at the bottom; leave it alone
5. Day 10: break it up and mix well, then lay it on its side; leave it until day 15
6. Day 15: mix well again, still on its side; leave it until day 20
7. Day 20: mix once more; light on, fruiting on its side, sealed
8. Days 34 to 41: mushrooms form, still sealed

On: Mushroom Growing Kit 4lb, Coco Coir & Rye Grain Grow Bag, LightBag, Mushroom Growing Kit 4lb, Injectable Horse Manure and BRF Substrate, Mushroom Growing Kit 4lb, Injectable Horse Manure and Rye Grain Substrate, Mushroom Growing Kit 6lb, Coco Coir & Rye Grain Grow Bag, LightBag 80 cm, Mushroom Growing Kit 6lb, Injectable Horse Manure and Rye Grain Substrate, 80 cm Bag.
Instructions: Inject-and-Forget kit instructions.

SprinkleBag



Day 41

1 Wipe the port with the alcohol swab

2 Needle through the port once; inject it all in one place

3 Tilt the bag so the liquid runs across the base; no mixing

4 Days 1 to 10: growth shows at the bottom; leave it alone

5 Day 10: break it up and mix well, through the plastic; leave it until day 15

6 Day 15: mix well again; leave it until day 20

7 Day 20: mix once more; leave it until day 25, fully white

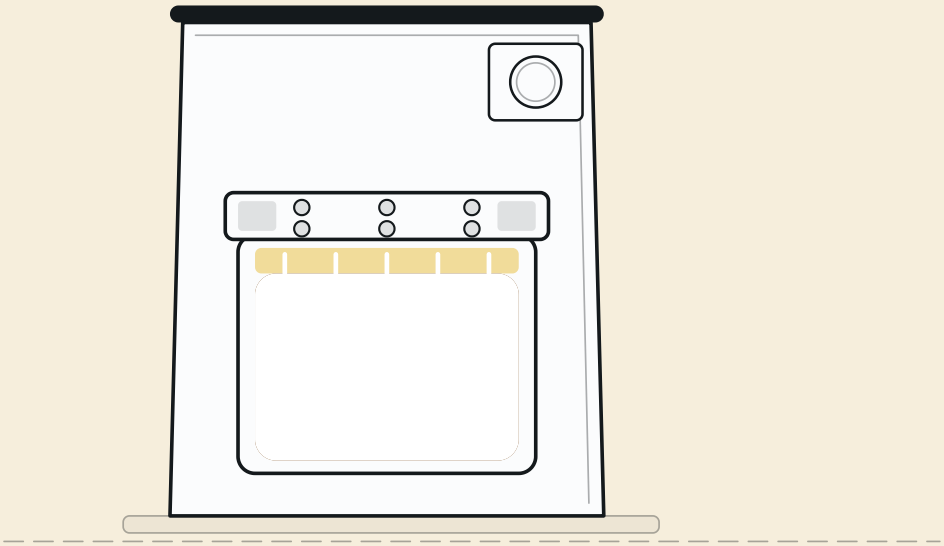
8 Day 25: pull the sealer stick so the vermiculite drops onto the colonised grain; light on, fruiting, sealed

9 Days 34 to 41: mushrooms form, still sealed

On: Mushroom Growing Kit, Organic Rye Grain, Auto Fruiting, SprinkleBags. Instructions: Inject-and-Forget kit instructions.

MycoBox: inoculate and colonise

HOW THE BOX IS INOCULATED AND COLONISED



Day 28

1 Gloves on, work on the base shield. Never heat or wipe the needle: it arrives sterile

2 Slide the sealer stick aside and open the bag

3 Needle on in place of the cap; shake for 10 seconds; protector off

4 Six quick injections, one through each port in the lid

5 Fold the bag closed as it was; stick back in place

6 Tilt it like a slide for 10 seconds, change the angle, repeat: the culture runs through the grain

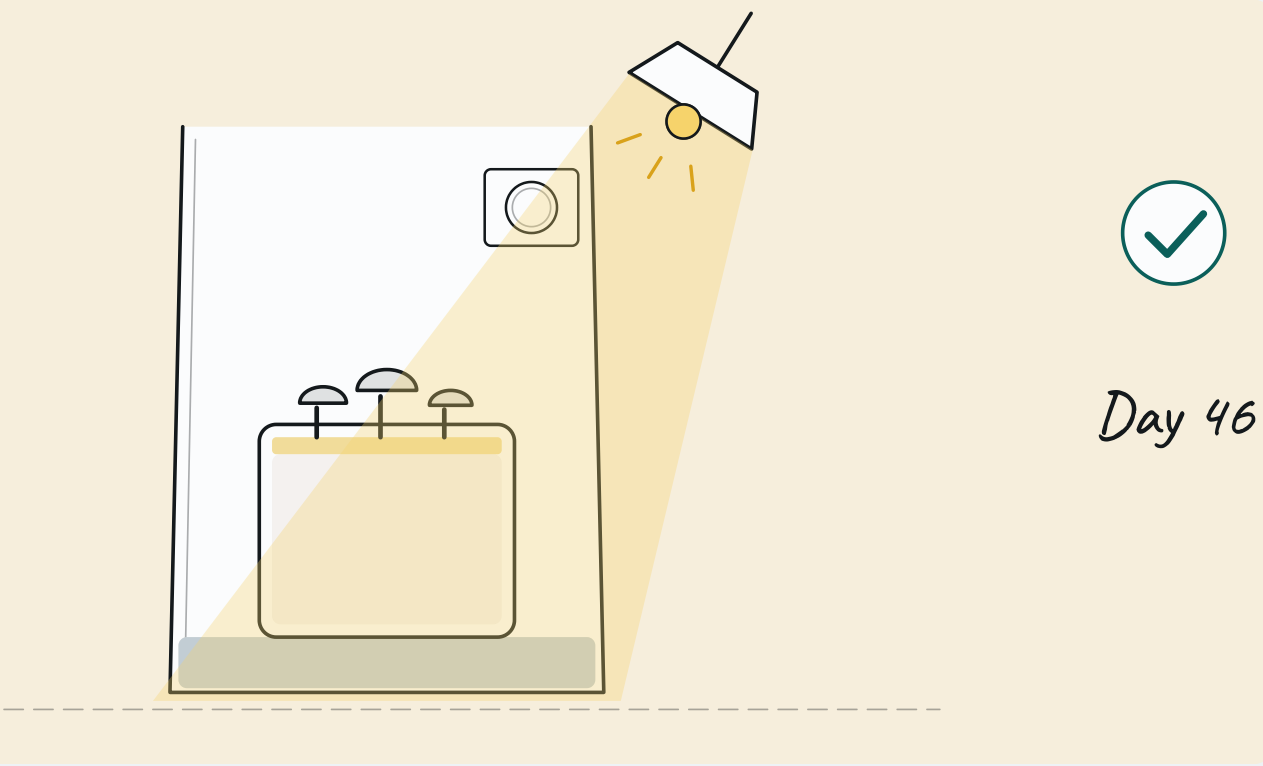
7 White points show after the injection and grow to cover the whole substrate: dark, 22 to 23 °C, four to six weeks

8 Day 28: white through and just into the vermiculite, the moment to fruit; not before, not after

On: Mushroom Grow Kit 1200ml, Dutch Style MycoBox XL, Simplici-kit. Instructions: Injection rules.

MycoBox: fruit and harvest

HOW THE BOX IS FRUITED AND HARVESTED



1 Lid off: the box stands on the perlite in its grow bag, 150 ml of water in the base; dim light, 22 to 23 °C

2 Mist the four inner sides, not the cake, until they glisten like dew

3 Clip the top closed; 24 hours

4 Open the top and fan the droplets off: that starts the pins

5 Three checks a day: droplets on the cake, fan 60 seconds; dry, mist the sides and fan

6 Pins 10 to 14 days in; more mist-then-fan cycles give denser pins

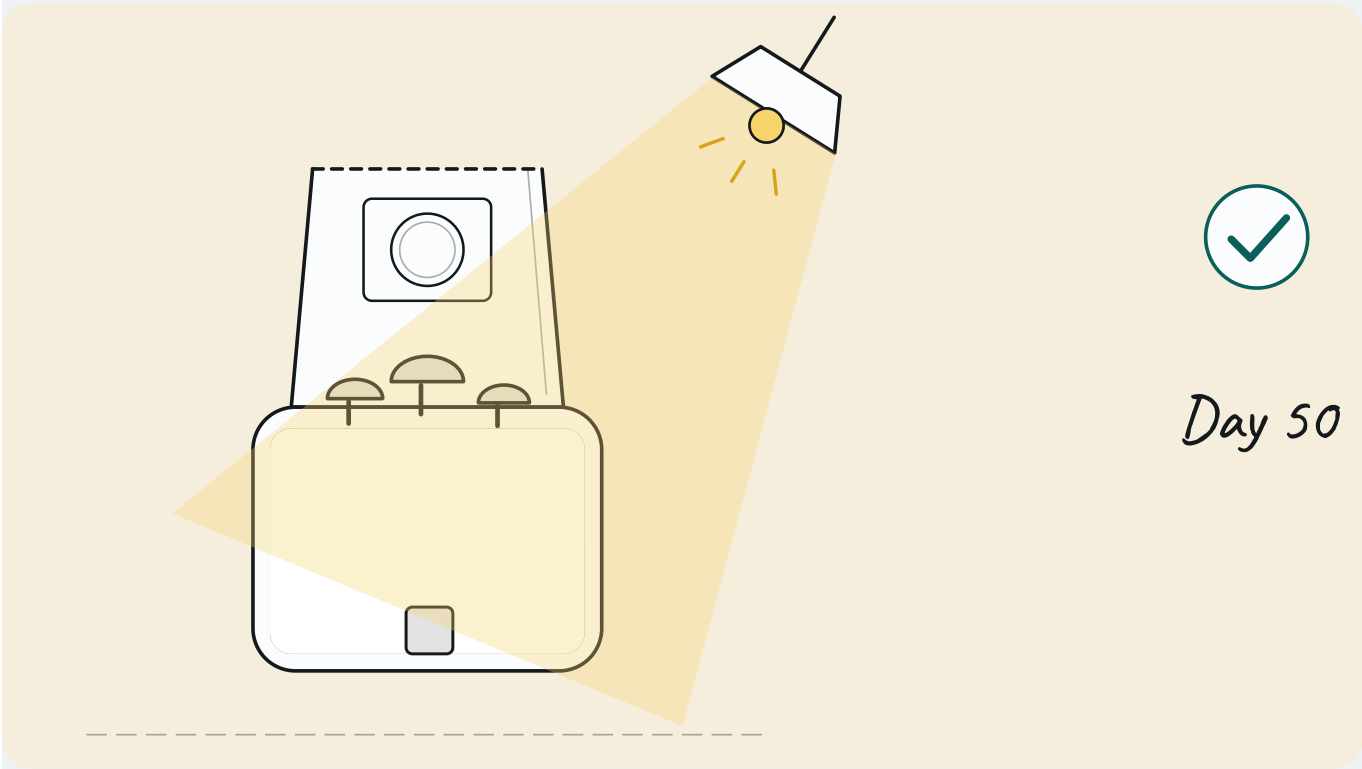
7 Mushrooms over the next days; humidity high, keep fanning

8 Cut at the base when the caps start to open, before the veil breaks; never twist

9 Next flush: fill the box with water for 24 hours, drain it on its end, back to the checks

On: Mushroom Grow Kit 1200ml, Dutch Style MycoBox XL, Simplici-kit. Instructions: Injection rules.

All-in-one grow bag



1 Liquid culture is not included: buy one first

2 A clean, draught-free space: windows and doors shut, surfaces wiped

3 Wash your hands; swab the port; never heat or wipe the needle

4 Needle onto the syringe, cover off

5 Needle all the way into the grey port, into the grain; inject it all in one place

6 Tilt the bag so the culture runs across the grain; then dark, at room temperature or 22 to 24 °C

7 Days 1 to 10: white grows in the grain; leave it alone

8 Day 10: mix the bag through the plastic, grain into the CVG

9 Day 15: mix again; leave it until all white

10 All white: cut the top open (or an X in the side for lion's mane)

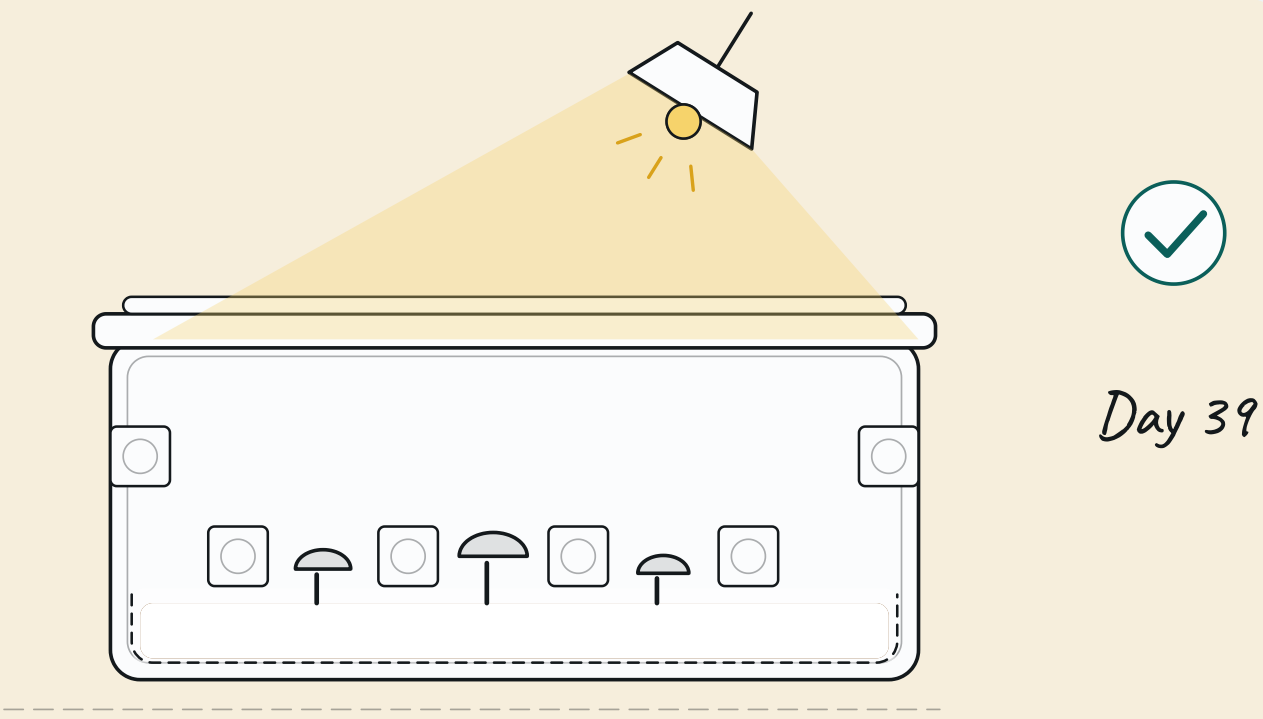
11 Mist 2 to 3 times a day; mushrooms within 2 weeks

12 After the harvest, mist 10 to 15 times; the next flush in 10 to 14 days

On: All-in-One Mushroom Grow Bag 1kg, Rye Grain and CVG, Fruit Sealed or Opened, All-in-One Mushroom Grow Bag 1.5kg, Rye Grain and CVG, Fruit Sealed or Opened, All-in-One Mushroom Grow Bag 2kg, Rye Grain and CVG, Fruit Sealed or Opened, All-in-One Monotub Bag 1.8kg, Grain and CVG, for a 15 to 20 Litre Tub, All-in-One Monotub Bag 2.25kg, Grain and CVG, for a 25 to 30 Litre Tub, All-in-One Monotub Bag 5kg, Grain and CVG, for a 45 to 80 Litre Tub. Instructions: All-in-one grow bag instructions.

Fresh air exchange tub

HOW THE ALL-IN-ONE BAG IS COLONISED AND POURED INTO THE TUB



1 Day 1: wipe the port with the alcohol swab

2 Inject 10 to 20 ml of liquid culture into the grain, all in one place

3 Tilt the bag so the culture runs across the base; then dark, at 22 to 23 °C

4 Days 1 to 10: white grows in the grain; leave it alone

5 Day 10: mix the bag through the plastic

6 Day 15: mix again; leave it until all white

7 Day 20: white all through. Use it only when it is fully colonised and all white

8 Wipe the tub down and line it

9 Press a filter patch over each air hole, on the outside

10 Break the bag up through the plastic, pour it in level, below the patches; lid on

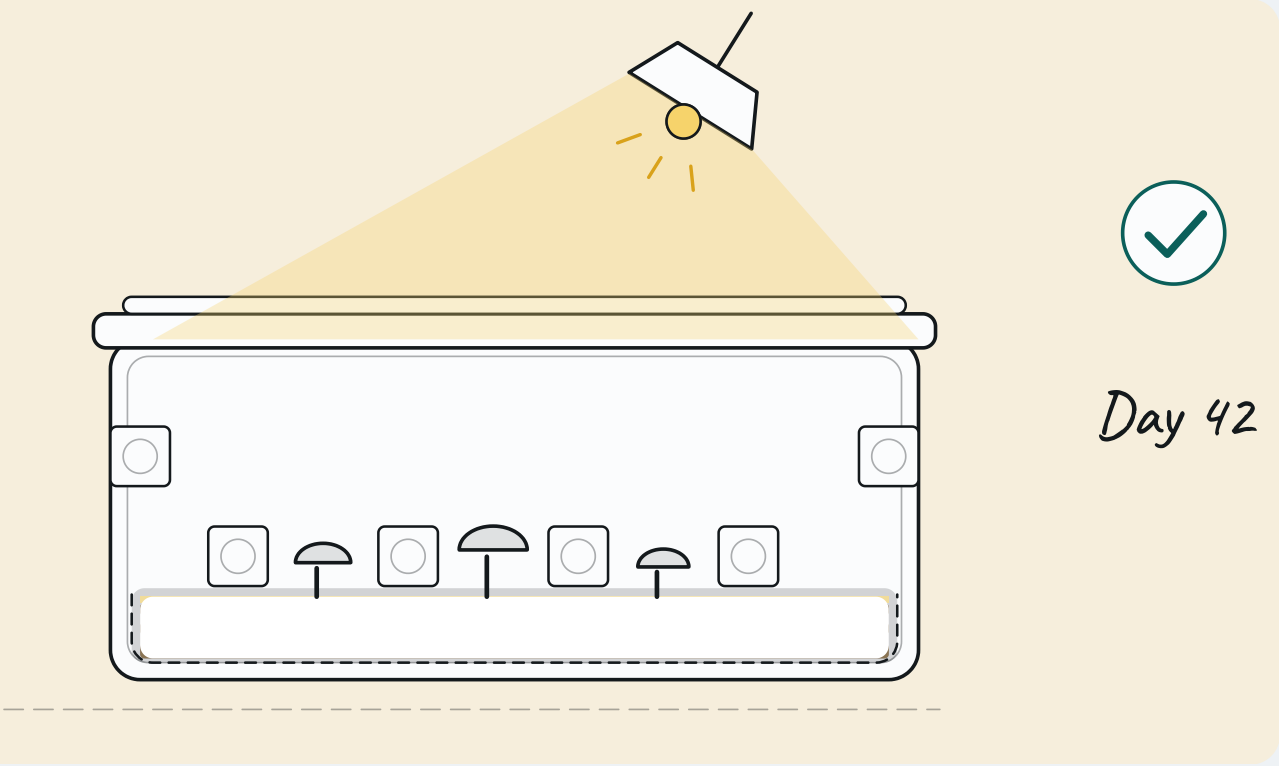
11 Five days at 22 to 23 °C, lid on: the surface is white again

12 Light 4 hours a day at least, 12 recommended, indirect; mushrooms over the next 14 days

On: Monotub 45L Fresh Air Exchange Kit, Tub with 6 Filter Patches, Substrate Optional, Monotub 25L Fresh Air Exchange Kit, Tub with 6 Filter Patches, Substrate Optional. Instructions: Monotub kit instructions.

Monotub kit: grain spawn and CVG

HOW THE SPAWN BAG IS COLONISED AND THE TUB IS LAYERED



1 Day 1: wipe the port of the spawn bag with the alcohol swab

2 Inject 10 to 20 ml of liquid culture into the grain, all in one place

3 Tilt the bag so the culture runs across the base; then dark, at 22 to 23 °C

4 Days 1 to 10: white grows in the grain; leave it alone

5 Day 10: mix the bag through the plastic

6 Day 15: mix again; leave it until every grain is white

7 Day 20: white through. Use the bag only when it is fully colonised

8 In a still, odourless room: a patch over each of the six vent holes, on the outside

9 The cut liner goes in, clean side up, before anything else

10 Break up the spawn and loosen the CVG bags before opening any; cut the tops; gloves on

11 Four handfuls of CVG, then one of spawn kept to the centre, away from the walls

12 Two of CVG and one of spawn for the middle layers; three or four of CVG on top, so no spawn shows

13 Press the edges only; a light sprinkle of vermiculite; five squirts of mist

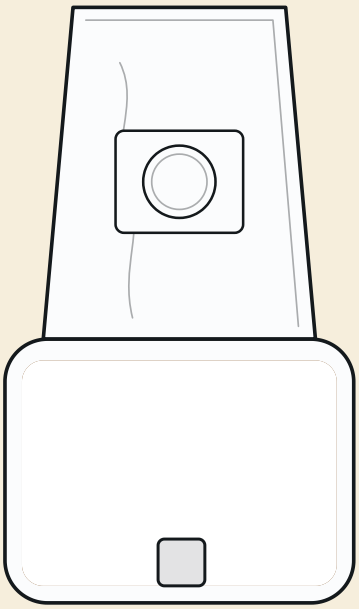
14 Lid on and the light on from here: 4 hours a day at least, 12 recommended, at 22 to 23 °C. Nothing opened, no fanning; a light mist on the walls only if their condensation goes

15 Day 30: white again under the lid; pins by about day 36

16 First harvest about day 42, when the caps begin to open; re-wet the block and the next flush follows

On: Monotub Mushroom Growing Kit, 25L or 45L, Full Kit inc Tub, Grain & CVG. Instructions: Monotub kit instructions.

Rye grain spawn bag

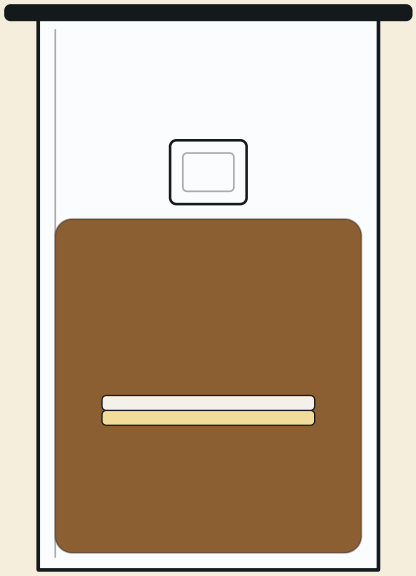


Day 20

1. Wipe the port with the alcohol swab
2. Needle through the port once; inject it all in one place
3. Tilt the bag so the liquid runs across the base; no mixing
4. Days 1 to 10: growth shows at the bottom; leave it alone
5. Day 10: break it up and mix well, through the plastic
6. Day 15: mix well again; five days between mixes
7. Day 20: every grain covered; ready for bulk substrate or a casing layer

On: Sterilized Rye Grain Mushroom Substrate 1kg, Single Bag or Multipack, Golden Oyster Mushroom Spawn 100g, UK Produced, Fresh, Button Mushroom Spawn 100g, High-Yield Commercial White Button, Blue Oyster, Golden Oyster, Lion's Mane, Sterilized Rye Grain Spawn Bag 1lb, with Injection Port and Filter, Mushroom Grow Bag with Injection Port 1-5lb, Unicorn Type 10B-Inj and 17 more.
Instructions: Injection rules for spawn bags.

Bulk substrate in the bag: the coir brick



Hour 24

1 Put the 10 litre coco coir brick in an XLS grow bag

2 Add 120 ml of vermiculite

3 Add 120 ml of gypsum

4 Boil 3 litres of water

5 Measure off 2.8 litres of boiling water and pour it in; a friend holds the bag up, it collapses with hot water; mind the steam

6 Seal the top with a sealer stick

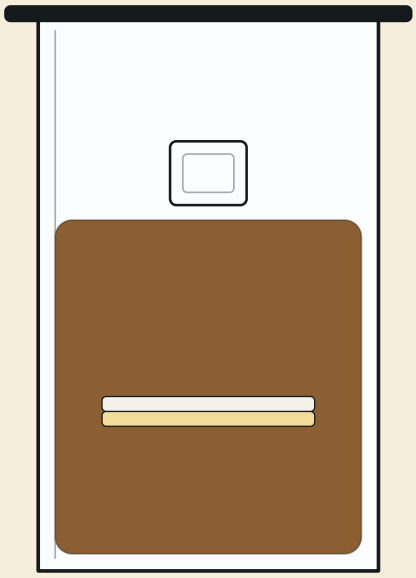
7 Into an insulated bucket for 24 hours: this pasteurises it

8 Use when cool: mix it inside the sealed bag before use

On: Sterilized CVG Bulk Substrate 1kg, Coco Coir, Vermiculite and Gypsum, Single Bag or Multipack, Coco Coir Brick 10 Litre, Bulk Mushroom Substrate, Single or 4 Pack, Coco Coir Block 70 Litre, 4.5kg Compressed, Single or 4 Pack. Instructions: Bulk substrate in the bag: instructions.

Bag Tek, large kit

HOW THE BULK IS MADE FROM THE WHOLE BRICK, IN THE KIT'S BAG



Hour 24

1 Put the 10 litre coco coir brick in the kit's grow bag

2 Add 120 ml of vermiculite

3 Add 120 ml of gypsum

4 Boil 3 litres of water

5 Measure off 2.8 litres of boiling water and pour it in; a friend holds the bag up, it collapses with hot water; mind the steam

6 Seal the top with a sealer stick or bag clip (not included)

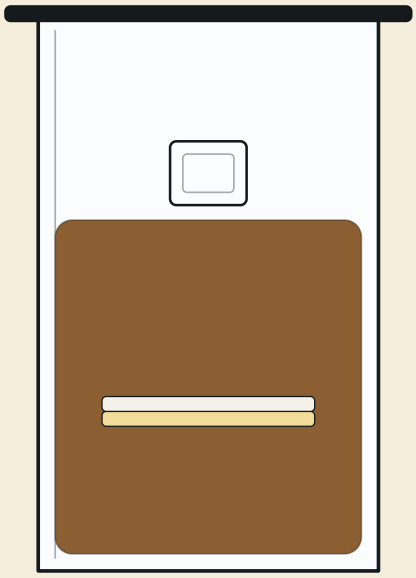
7 Into an insulated bucket for 24 hours: this pasteurises it

8 Use when cool: mix it inside the sealed bag before use

On: Bag Tek Mushroom Grow Kit, Large, Makes 5kg, 1.5kg Rye Spawn Bag and a Whole Brick of Coir Bulk in an XL 80cm Bag.
Instructions: Bag Tek kit instructions.

Bag Tek, small kit

HOW THE BULK IS MADE FROM HALF THE BRICK, IN THE KIT'S BAG



Hour 24

1 Put half of the 10 litre coco coir brick (325 g) in the kit's grow bag

2 Add 60 ml of vermiculite

3 Add 60 ml of gypsum

4 Boil the kettle: you need 1.4 litres

5 Pour in 1.4 litres of boiling water; a friend holds the bag up, it collapses with hot water; mind the steam

6 Seal the top with a sealer stick or bag clip (not included)

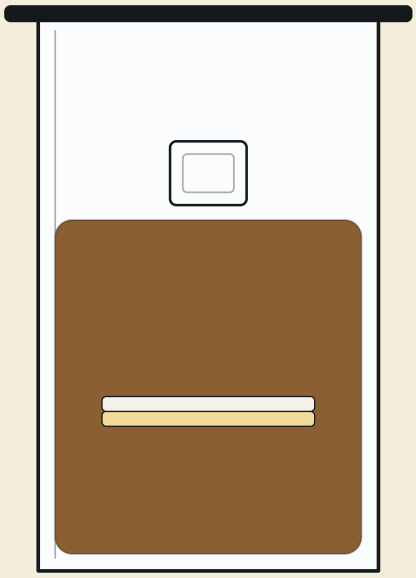
7 Into an insulated bucket for 24 hours: this pasteurises it

8 Use when cool: mix it inside the sealed bag before use

On: Bag Tek Mushroom Grow Kit, Small, Makes 2.75kg, 1kg Rye Spawn Bag and Half a Brick of Coir Bulk in an XLS Bag. Instructions: Bag Tek kit instructions.

Bag Tek, starter kit

HOW THE BULK IS MADE FROM A QUARTER OF THE BRICK, IN THE KIT'S BAG



Hour 24

1 Put a quarter of the 10 litre coco coir brick (163 g) in the kit's grow bag

2 Add 30 ml of vermiculite

3 Add 30 ml of gypsum

4 Boil the kettle: you need 700 ml

5 Pour in 700 ml of boiling water; a friend holds the bag up, it collapses with hot water; mind the steam

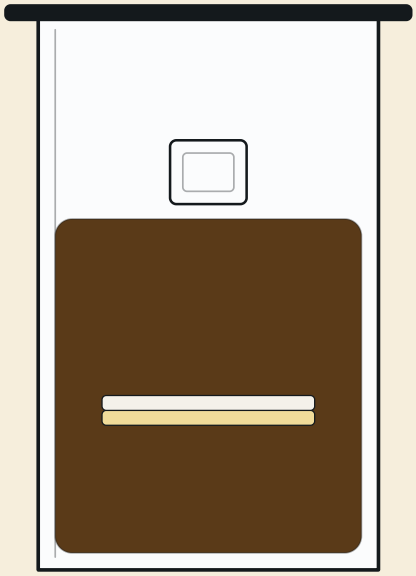
6 Seal the top with a sealer stick or bag clip (not included)

7 Into an insulated bucket for 24 hours: this pasteurises it

8 Use when cool: mix it inside the sealed bag before use

On: Bag Tek Mushroom Grow Kit, Starter, Makes 1.33kg, 1lb Rye Spawn Bag and a Quarter Brick of Coir Bulk in a Large Bag. Instructions: Bag Tek kit instructions.

Bulk substrate in the bag: horse manure pellets



Hour 24

1 Put the 450 g of horse manure pellets in an XLS grow bag

2 Add 120 ml of vermiculite

3 Add 120 ml of gypsum

4 Boil the kettle: you need 1 litre

5 Pour in 1 litre of boiling water; a friend holds the bag up, it collapses with hot water; mind the steam

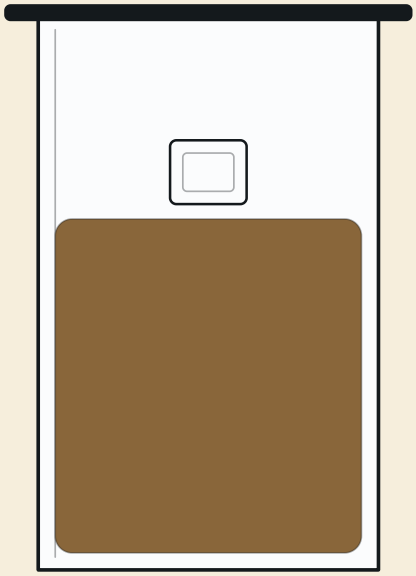
6 Seal the top with a sealer stick

7 Into an insulated bucket for 24 hours: this pasteurises it

8 Use when cool: mix it inside the sealed bag before use

On: Horse Manure Pellets 450g, Ready to Use Bulk Substrate, Black Gold. Instructions: Bulk substrate in the bag: instructions.

Bulk substrate in the bag: Master's Mix



Hour 24

1 Put 1 kg of Master's Mix pellets in an XLS grow bag

2 Boil the kettle: you need 1.6 litres

3 Pour in 1.6 litres of boiling water; a friend holds the bag up, it collapses with hot water; mind the steam

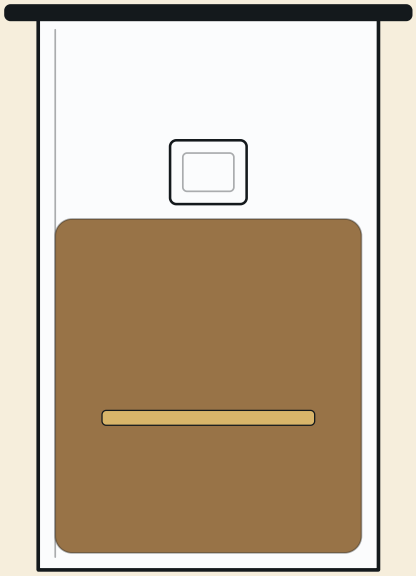
4 Seal the top with a sealer stick

5 Into an insulated bucket for 24 hours: this pasteurises it

6 Use when cool, straight away: mix it inside the sealed bag; it does not keep

On: Master's Mix Mushroom Substrate 1kg to 25kg, 50% Oak Pellets, 50% Soya Hull. Instructions: Bulk substrate in the bag: instructions.

Bulk substrate in the bag: oak hardwood pellets



Hour 24

1 Put 1 kg of oak hardwood pellets in an XLS grow bag

2 Add 200 g of wheat bran

3 Boil the kettle: you need 1.92 litres

4 Pour in 1.92 litres of boiling water; a friend holds the bag up, it collapses with hot water; mind the steam

5 Seal the top with a sealer stick

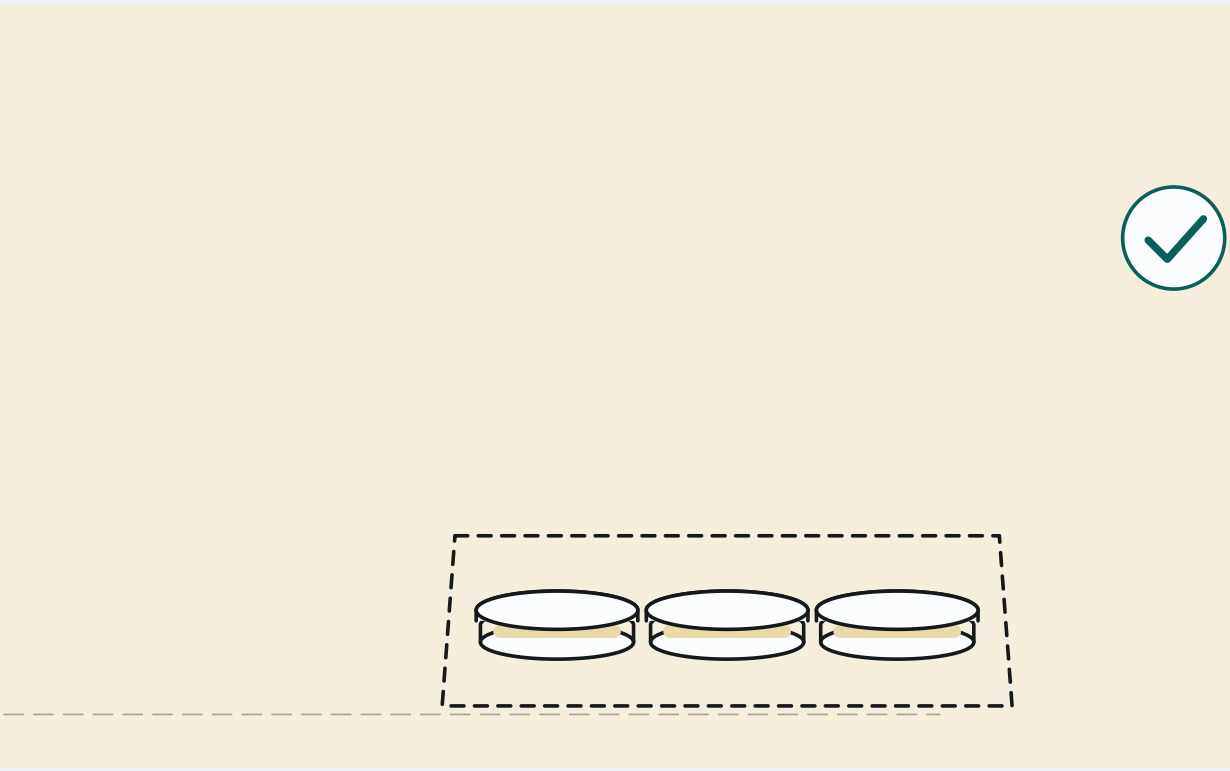
6 Into an insulated bucket for 24 hours: this pasteurises it

7 Use when cool, straight away: mix it inside the sealed bag; it does not keep

On: Oak Hardwood Pellets 1kg to 25kg, 100% Oak Mushroom Substrate, Food Grade. Instructions: Bulk substrate in the bag: instructions.

Agar: making the plates

HOW THE PLATES ARE MADE



1 Premix and water in the jar at the calculator's figures; swirl; foil over the lid

2 In the pressure cooker: 30 minutes at 15 psi, 45 for more than 500 ml

3 Cool until you can hold the jar, still warm enough to pour

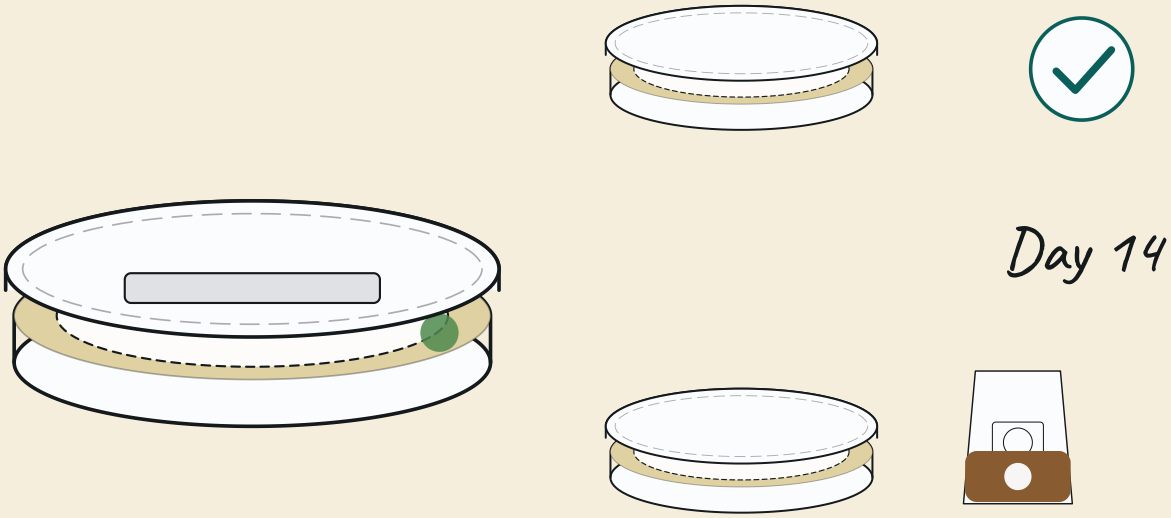
4 In still air: lid a crack, a thin layer, lid back; the next dish

5 Set with the lids on, then bag them upside down; use within a month

On: Potato Flakes 80g for Making Potato Dextrose Agar (PDA), Agar Making Kit, Premixed MEA Agar, 20 Petri Dishes, Still Air Box and Tools, MEA Agar Premix, Light Malt Extract and Agar Blended, Just Add Water. Instructions: Agar mixing, sterilising and pouring guide.

Agar: inoculating and growing

HOW A PLATE IS INOCULATED AND GROWN



1 In still air, lid open a crack, never off

2 One drop from the spore syringe onto the centre; the needle never wiped or heated

3 Lid on, tape the edge

4 Turned upside down so nothing drips; dark, 22 to 23 °C

5 Days 7 to 14: white mycelium expands from the drop across the plate

6 Any colour is contamination: take only clean white growth, well away from it

7 A scalpel cuts a section of the clean mycelium onto a fresh plate, where it expands again

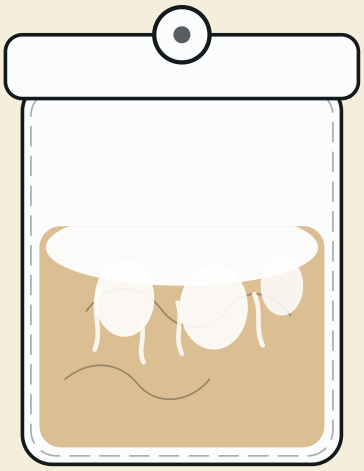
8 Once more onto a third plate

9 The last section goes into a grain bag

On: MEA Agar Plates 90mm, Double-Sterile, Ready to Use, Packs of 5, 10 or 20, Potato Flakes 80g for Making Potato Dextrose Agar (PDA), Open Air Agar Pots 210ml with 20ml MEA, Reusable, Pack of 2, Petri Dishes 90mm, Sterile, Pack of 20, Thermo Scientific Sterilin, Agar Making Kit, Premixed MEA Agar, 20 Petri Dishes, Still Air Box and Tools, MEA Agar Premix, Light Malt Extract and Agar Blended, Just Add Water. Instructions: Agar mixing, sterilising and pouring guide.

Liquid culture jar: inoculate and incubate

HOW THE JAR IS INOCULATED AND INCUBATED





Day 14

1 Wipe the port with the alcohol swab

2 Shake the culture syringe with its cap still on

3 Cap off, needle on from its wrapper; never heated or wiped

4 Needle through the port; inject 3 ml

5 Leave it still at 18 to 23 °C, so the growth pattern can be watched

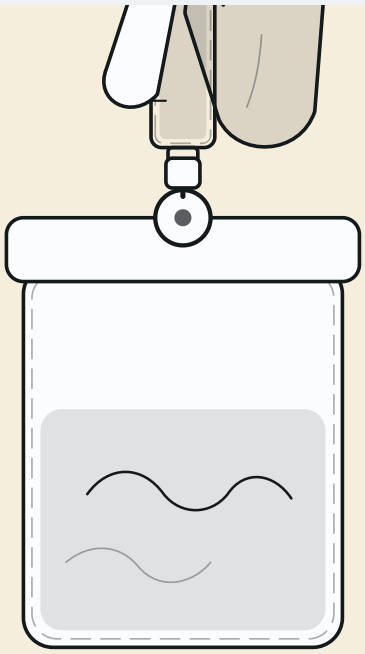
6 White mycelium spreads through the liquid; any other colour is contamination

7 Ready when white covers half the liquid

8 Shake or swirl before drawing a syringe full, with a 14 g needle

On: Liquid Culture Jar 300ml, Sterilized, Nutrient Solution Included, Liquid Culture Jar 700ml with 450ml Sterilized Nutrient Solution. Instructions: Injection rules.

Drawing a syringe from a jar



1 Shake or swirl the jar to loosen the culture

2 Needle through the lid port; 14 g for thick culture

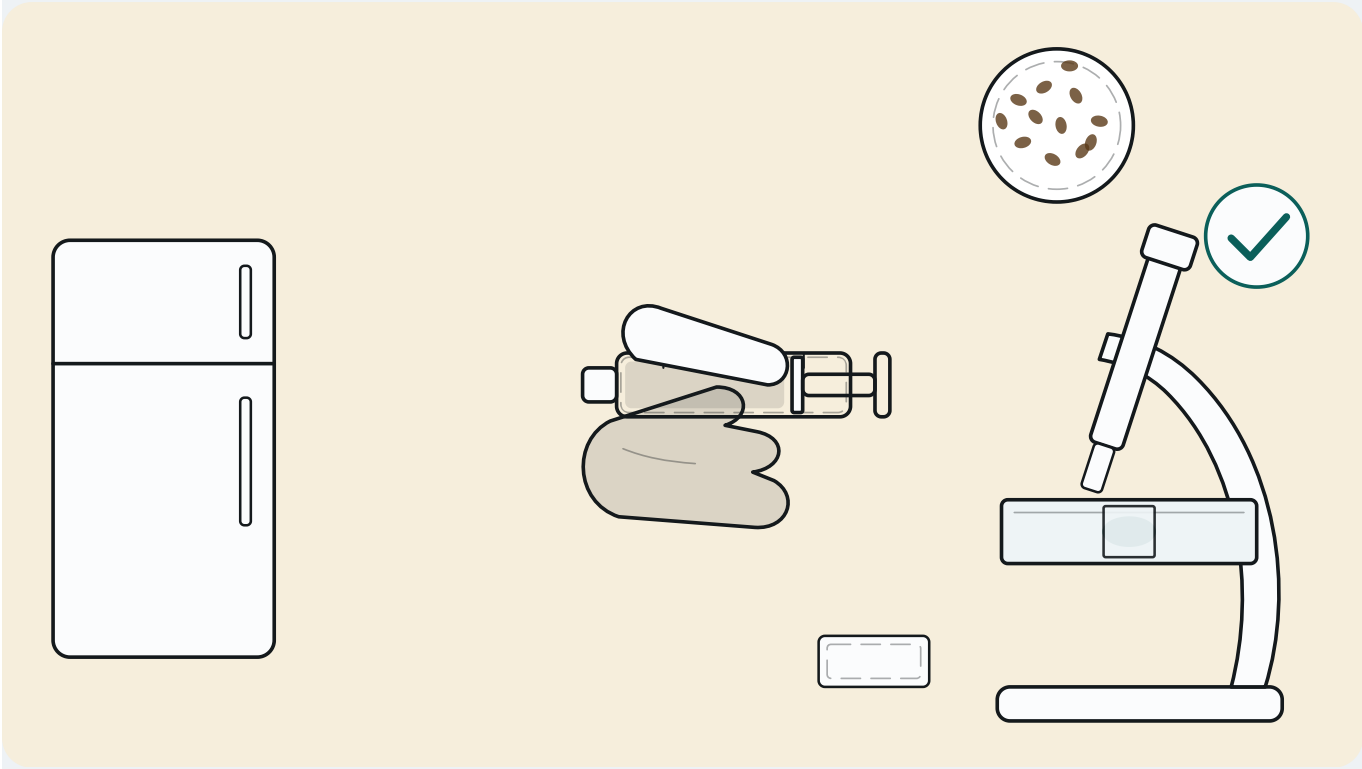
3 Draw slowly, keep the tip wet

4 Cap it, keep it cold

On: Sterile Luer-Lock Syringe 2.5ml with Needle, for Microscopy and Liquid Culture, Single or Multipack, Sterile Luer-Lock Syringe 10ml with Needle, for Microscopy and Liquid Culture, Single or Multipack, Sterile Luer-Lock Syringe 20ml with Needle, for Microscopy and Liquid Culture, Single or Multipack, Sterile Replacement Needles for Luer-Lock Syringes, 19G Spore or 14G Liquid Culture, Sterile Luer-Lock Syringe End Cap, Combi-Stopper, Sealed, Single or Pack of 10, Liquid Culture Jar 300ml, Sterilized, Nutrient Solution Included, Empty Glass Jar 300ml with Injection Port, Non-Sterile, for Liquid Culture, Sterile Distilled Water Jar 300ml with Butyl Injection Port and 4 more. Instructions: Injection rules.

Spore syringe: a drop on the slide

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

On: Mazatapec, Ecuador, Brazil Corumba, B+, APE - Albino Penis Envy, Golden Teacher, Treasure Coast, Pes Amazonian and 66 more.
Instructions: How to study the spores under the microscope.

© SporeSyringes.co.uk. Printed from sporesyringes.co.uk/guides/animations.