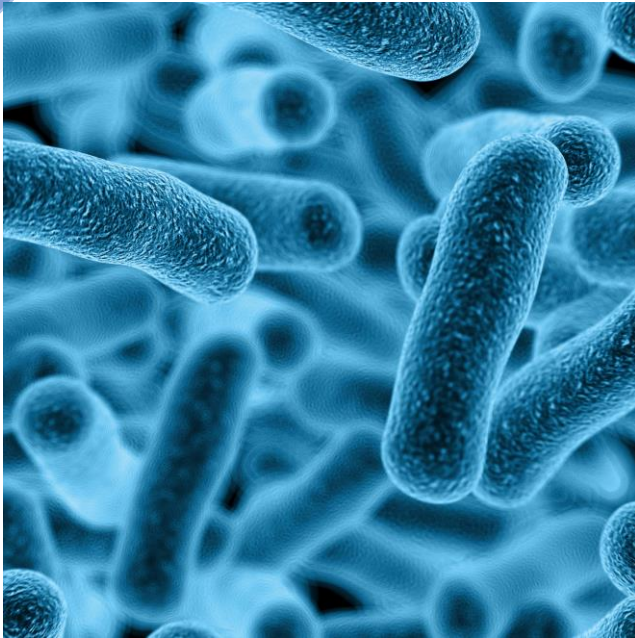


# Lactic Acid Bacteria Serum

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# What are Lactic Acid Bacteria?



- Conditionally anaerobic microorganisms that decompose sugar.
- Lactic acid or organic acid has a PH of 2
  - strong sterilization power
- Able to survive in high temperatures

# Why LAB?



As a basis for biologically active fertilisers



Odour reducer



Natural growth stimulant



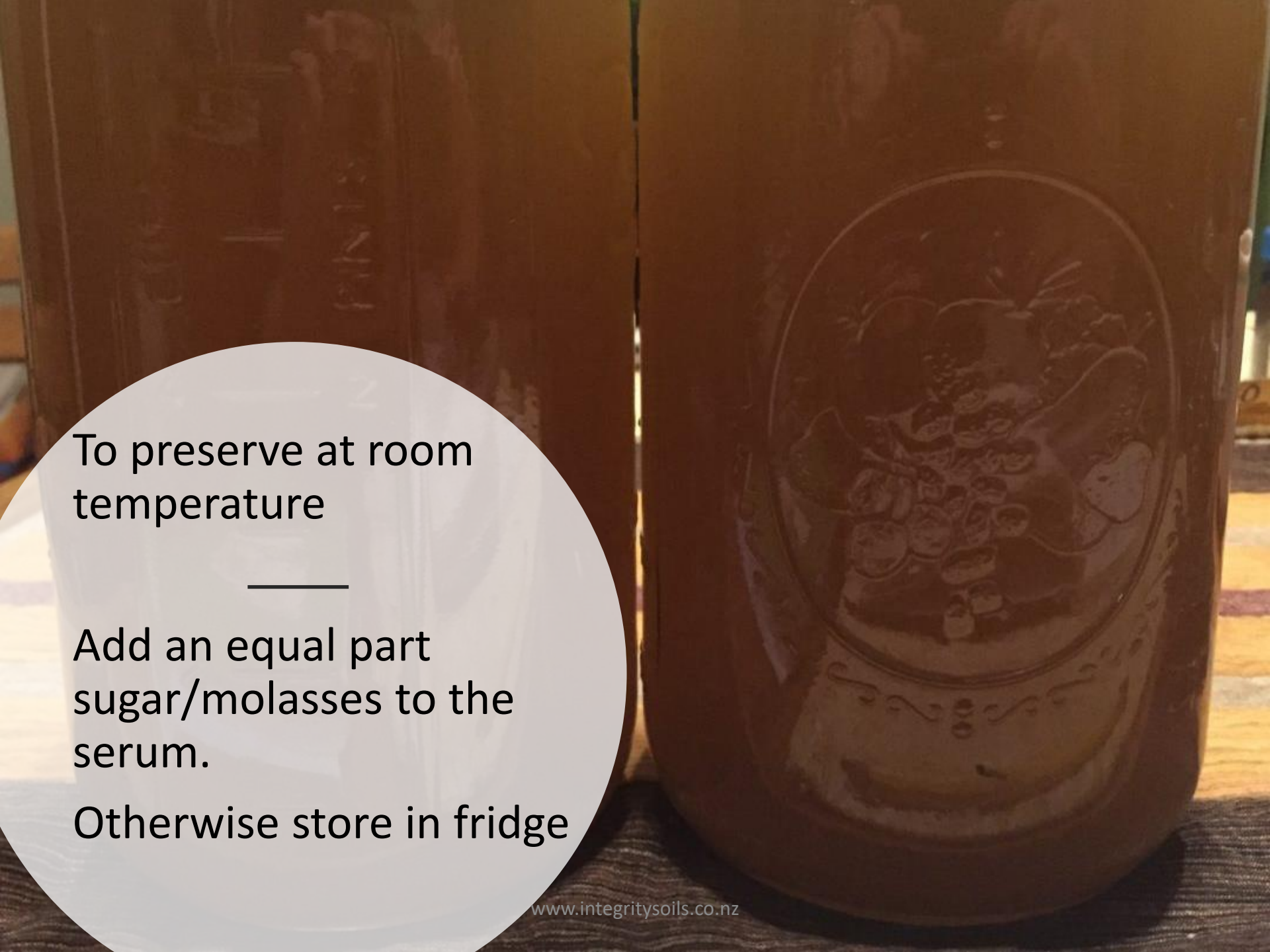
Living soil inoculant

# Recipe

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- Make 4 litres rice wash and then leave liquid for 7-10 days until a film develops on the surface
- Add 40 litres Milk (unprocessed if possible)
- After rice wash and milk remove curds – around 4 litres





To preserve at room  
temperature

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Add an equal part  
sugar/molasses to the  
serum.

Otherwise store in fridge

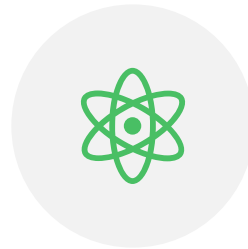
# Benefits



IMPROVE SOIL  
STRUCTURE



PLANT GROWTH  
PROMOTANT



LACTIC ACID  
RELEASES  
MINERALS BOUND  
TO SOIL PARTICLES



SILAGE  
INNOCULANT

# Digestive aid

- Aids digestion in animals, increases healthy gut flora, enhance their immune systems and may lift feed efficiencies
- Spray diluted onto hay/hardfeed
- Basic dilution is 1:1000
- Mix 8 Tbsp to 4 litres water, or 1:1000 in trough or heading tanks.
- Humans: After meals, mix 1-2tbsp lacto with a cup of water and drink that.

# Animal Bedding:

- Mix with animal bedding to reduce smell and increase longevity. Spray until bedding is slightly damp but not wet.
- Mix into the bedding evenly where necessary
- LAB has been found to control diseases like coccidiosis. If you're raising young animals in confinement, apply liberally
- Mix 8tbsp to 4 litres water.



# Odour Reducer:

- Apply to places where there is odor buildup.
- Indoors: reduces foul odours, including animals like cats, dogs, mice, other pets.
- Use to control odour in pens – pigs, cows, chickens. In barns, around the yard, etc

# Other applications

- Eat biofilms – anywhere biofilms build up to create slippery conditions- dairy sheds- apply liberally.
- Spray before cutting for silage, or to lift the brix of poor quality silage.
- Seed treatment -improves seed germination, inoculates seed, and deters diseases
- Soil inoculant 5-20 litres/Ha ( diluted 1:1000 product)
- Don't over use!

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