

Activation Guide



Activating SCD Probiotics Mother Culture™ Concentrates

ProBio Food™ • ProBio Balance™ Original • ProBio Balance™ Plus

Purpose

The primary reason to activate SCD Probiotics Mother Culture™ concentrates is an economic one, extending the volume of product and increasing its cost-effectiveness. Adding an organic sugar cane source and culturing the microorganisms ensures that the microbes are active. Once the following procedure has been accomplished, the end result will be a full strength culture of SCD Probiotics that can then be diluted and applied per the Usage Guide directions.

In some applications, it may not be necessary to activate SCD Probiotics Mother Culture™. Consult your SCD Probiotics representative if you have further questions.

Materials

- Airtight plastic container, or large tank
- 1 part SCD Probiotics Mother Culture™
- 1 part organic blackstrap molasses,
- 20 parts chlorine-free water (for example, ¾ cup SCD Probiotics, ¾ cup molasses in 1 gallon of chlorine-free water.)
- pH paper for testing

Molasses and pH papers are typically available through your supplier of SCD Probiotics Mother Culture™ concentrates.

Procedure

1. Dissolve molasses in warm water and add the SCD Probiotics Mother Culture™. Activating SCD Probiotics is a mostly anaerobic process, thus the presence of excessive oxygen is not desirable. Keep the activation as warm as possible. If you keep the SCD Probiotics between 85 °F – 95 °F (30 °C – 35 °C) it should activate in approximately 4 days. If the extension is kept between 70 °F – 80 °F (20 °C – 30 °C) then allow for 7-10 days. Depending on technique and extension conditions, it may take anywhere from 4-14 days.
2. Check the pH to ascertain when the process is complete; the SCD Probiotics Mother Culture™ is ready when the pH drops to 3.7 or below. Do not use SCD Probiotics that have not dropped below 4.0. If your pH continues to drop to 3.0 or even 2.0 this is normal and indicates high microbial activity.
3. The end product should smell slightly sweet and pickled.
4. Activated SCD Probiotics is best used within 7 days. It may last up to 1 (one) month but should be used within this timeframe.

Do not activate products made with an **activated SCD Probiotics Mother Culture™** concentrate - the results cannot be guaranteed.

Storage: Store SCD Probiotics out of direct sunlight at room temperature.

