



Making microbes work for you

# EM Activated Solution (EMAS)

EMAS is a first generation subculture of EM1™. Each bottle of EM1 can activate 20 bottles of EMAS. Use EMAS for a chemical-free household: floor mopping, odour removal, toilet cleaning, sanitizing baby toys and mattresses, fruits and vegetables washing, home gardening and pest control.

## Materials / 材料:



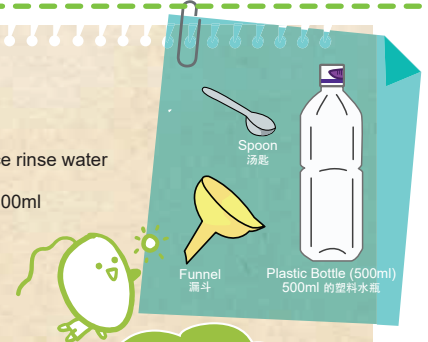
EM-1® 20-25ml



Molasses or brown sugar  
20-25ml or 20-25gm  
糖蜜或黑糖 (和一小撮盐)  
20-25ml或20-25gm



Water or Rice rinse water  
400 ml  
水或洗米水400ml



## Procedure / 制作方法

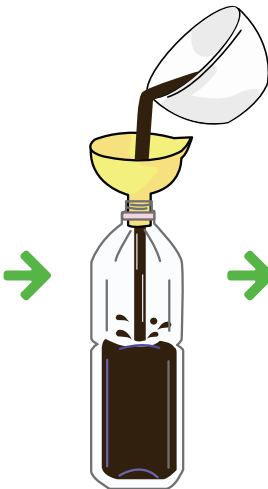


20-25ml each  
各20-25毫升



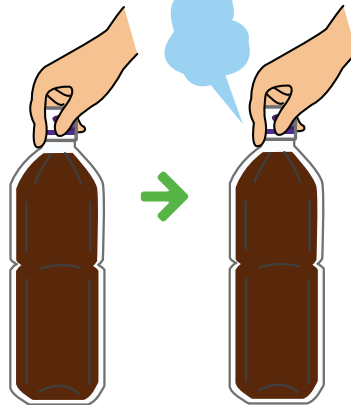
- Mix molasses (or brown sugar) with water in the bowl. Stir the mixture well. Then add EM-1® into the mixture.

将400ml的水倒入量杯，然后加入EM-1®和蜜糖或蔗糖，搅拌均匀。



- Pour the mixture into the plastic bottle. 接着把混合物倒入塑料水瓶里。

❖ Do not fill to the brim. Leave extra space (4~5 centimeters) at the top. 不要装得太满，留4-5cm的空间。



- Cap the bottle tightly and leave it in a warm place.

把瓶子封闭起来并放置在微温的地方。

❖ 20~40°C is ideal for fermentation. 发酵的最佳温度20-40°C

❖ The change in color is subtle when brown sugar is used.

如果使用黑糖，颜色的变化会较细微。

Refer to this change in colour. 参考此颜色的变化。



Ready to use  
准备好使用

It's ready when sweet-sour scent is produced, mixture changed colour from black to reddish brown.

当味道是酸甜，颜色从黑变成红褐色时就能拿来使用了。

- Loosen the cap when gas is formed after a couple of days.

几天后当气体产生时，将瓶盖松开释放出气体，然后再把瓶子盖紧。

❖ Let it sit for 1~2 weeks before use.

1-2个星期后，发酵完成时就能拿出来使用了。

Loosen the cap slowly to avoid overflow.

慢慢将瓶盖松开，以避免溢出来。

## Note / 小笔记:

- Use fresh rice rinse water to prevent foul odour. 洗米水即刻使用不宜搁置以避免发臭。
- Do not use a glass bottle in case of explosion. 避免使用玻璃瓶。
- Cap the bottle tightly. 把瓶盖关紧。
- Release the gas regularly when the bottle expands. 当瓶子膨胀时，将瓶盖微微松开释放出气体。
- It is ready to use when its pH drops below 3.5. 当pH值达到3.5时便能拿出来使用了。

For use in 使用于

Dilute EMAS in water (on day of use) 稀释率

Toilet 厕所  
Washing machine 洗衣机

No dilution. Just add 50 - 100ml.  
无需稀释，只须添加50-100ml

Wiping 擦拭洁净

50 - 100x

Room (spray) 喷洒室内空气

1,000x

Plants 植物

100 - 500x

Pets 宠物

50 - 100x

