

Natural Lifestyle With Bacteria

# **BASIC MANUAL**

**How To Use LACTO** 

Takashi Hirasawa Sabaijai Production Co., Ltd

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> Takashi Hirasawa Sabaijai Production Co., Ltd

# WHAT IS LACTO?

LACTO or homemade probiotics is a sour, sparkling and fermented liquid that contains beneficial microorganisms and a great variety of nutrients.

LACTO ORIGINAL - Homemade Probiotics



### INGREDIENTS

LACTO is made from 100% ORGANIC ingredients, Brown Rice, Sea Salt, Brown Sugar, Mineral Water

### COMPONENTS

LACTO contains more than 60 kinds of nutrients and more than 80 kinds of microorganisms.

MICROORGANISIMS Lactic acid bacteria: Lactobacillus, Yeast: Sacharomyces Cerevisiae,

CARBON HYDRATE Amviose Amvionectin

SDF: Oryzabran. IDF: Arabinoxylan, Chondrotin Sulfate, Hyaluronic

Essential & Nonessential amino

Shingolipid, Fatty Acids, Shortchain fatty acids (Lactic, Acetic, Formic, Propionic, Butyric Acids), Oryzaol, Ferulic Acid, Sitosterol

Vitamin B1, B2, B3, B5, B6, B9, B12, Vitamin E, H, Inositol, IP6

MINNERAL Calcium, Magnesium, Iron, Manganese, Selenim, Phosphorus, Potassium, Zinc

LACTO IS ALIVE! LACTO IS HOMONY!

#### **FUNCTION**

- 1. Improves Intestinal Flora
- 2. Antioxidant
- 3. Nutritional Supplement
- 4. Disinfectant and Antiseptic
- 5. Decomposition & Cleansing
- 6. Detoxification
- 7. Bio-synthesis
- 8. Skin and Hair Care
- 9. Aphrodisiac and Brain Care
- 10. Deodorization

and more



You can use LACTO for many porposes.

### **HEALTH CARE**

**BODY CARE** 

### **ENVIRONMENT** CARE

IT'S EFFECTIVE, USEFUL AND PRACTICAL!

# WHY LACTO?

## REASONS

There are some unknown reasons why we can use LACTO (Lactic Acid Bacteria) for many porposes.

### 1. Bacteria is EVERYWHERE on this planet!

Land, sea and sky, plants and animals including humans, we are all covered by bacteria. Lactic Acid Bacteria (LAB) can be found everywhere!

### 2. Brown Rice is the BEST ingredients for probiotics!

Brown rice is one of the most beneficial and nutritional plants seed. In LACTO, there is a great harmony of nutrients and bacteria extracted from brown rice.

### 3. We are bacteria!

The amount of bacteria on our body is more than 600 trillion, more than 10 times than our body cells(60 trillion), and the weight of bacteria on our body is 1 - 2 kg.

### 4. We have been EATING bacteria for CENTURIES!

Bacteria is present in traditional fermented foods. such as yoghurt, cheese, bread, pickle, alcohol, sake, miso, soy sauce, etc. LAB is one of the most famous bacteria in fermented food!

### 5. We use bacteria WITH SCIENCE!

Ideas and technologies in industries and in public uses: 1. Agriculture 2. Aquaculture 3. Animal Husbandry 4. Water Treatment and Recycling 5. Food Industry 6. Garbage Treatment 7. Public Hygiene, etc LAB is one of the most popular bacteria!

### 6. LACTO is SAFE!

LACTO is made from organic ingredients. Bacteria from organic brown rice is safe, clinically proven by traditional fermented food! When LACTO is dominated by LAB, acid level

becomes lower than pH 3.6 (very sour). No pathogen or harmful bacteria can survive in LACTO through the lactic fermentation process.

### 7. LACTO is CHEAP and EASY to make

Cost of LACTO is less than 1\$US (30Baht)

We can easily make LACTO with 4 ingredients, 3 tools and 4 steps in only 5 days. Everybody can make LACTO!

### 8. Potential of LACTO is INFIITE!

LACTO mens more production, value and profit. LACTO can be used for the family, community and global environments.

The potential of LACTO can be infinite through the autonomy and creativity of individuals!

Let's start LACTO-LIFE!

# **HOW TO?**

### **RULE 1: SELF-RESPONSIBILITY**

Homemade Probiotics, LACTO is same as your baby! Observe and take care of it well!

### **RULE 2: ACID LEVEL**

LACTO is lower than pH 3.6. It is very sour, dominated by lactic acid bacteria.

### **RULE 3: DILUTION**

Make LACTO diluted from 100% - 0.1% depending on applications.

### **RULE 4: SELF-STANDARD**

Update standard of LACTO use by experiece.

## MAKE

### **4 INGREDIENTS & 4 TOOLS**

ONLY ORGANI INGREDIENTS Brown Rice. Sea Salt. Brown Rice. Mineral Water

CLEAN TOOLS Spoon or scale Bowl, Funnel. Plastic Bottle

### 5 STEPS IN 5 ~ 7DAYS

- 1. Select ingredients and clean tools.
  - 2. Wash rice and scratch well.
  - 3. Mix and pour into the bottle.
  - 4. Shake and release the gas 5. Check!

You can check more detail information and photos on our website. www.lacto-life.com

# PRESERVE OUTSIDE DILUTE

### PRESERVE OUTSIDE

If you keep the LACTO bottle outside, keep the bottle standing, in cool and shade. It last more than 6 months or more. After open and use, you should shake the bottle everyday. Finish within a week before the smell starts to change. Even the smell has changed, you can use for environment care.

### PRESERVE IN FRIDGE

If you keep the LACTO bottle in fridge, it last more than year or more. After open and use, finish within weeks. The fridge can preserve LACTO better smell and taste, but the bacteria is sleeping. Better to warm up before use.

### **DILUTE LACTO**

You should dilute LACTO depending on applications. Especially for plants and the sensitive part of our body, we need to dilute into 1 - 0.1%. Check details on each applications.

10% LACTO water - 100ml LACTO + 900ml water 1% LACTO water - 10ml LACTO + 990ml water 0.1% LACTO water -1ml LACTO + 999ml water

Mix in the bottle or spray before use.

### **DILUTE LACTO**

You can drink and use pure LACTO for body. If you are too sensitive, try patch-test on your arm or try small amount of LACTO at frirst, then try more.

# **HEALTH CARE**



# PROBOTICS Improves intestinal flora and digestive system, boosts immunity and preserves health

#### Dilltion

100% LACTO - Drink pure LACTO or mix with water

#### Instructions

Drink 50ml first and try more.

Drink 100 - 200ml of LACTO everyday. Before meals and bedtime are more effective.







Drink 1 - 2 glasses everyday for health care.



#### **Active Elements**

BENEFICIAL MICROORGANISMS Lactic Acid Bacteria: Lactobacillus Fermentum. Plantrum, Helveticus, etc. Yeast: Saccharomyces Cerevisiae, etc.



## ANTI-OXIDANT

Eliminates ROS(Reactive Oxygen Spiecies), Inhibits Oxidation, Powerful Anti-Aging

#### Dilltion

100% LACTO - Drink pure LACTO or mix with Citric Acid

#### Instructions

Drink 100 - 200ml of LACTO with citric fruits juice. Squeeze the half or quarter of lime cut in a glass of LACTO. Drink before meals and bedtime.



Lactic Acid and Citric Acid are perfect combination to drink together for antioxidant and rehydration.

Mix LACTO with lime, orange, mandarin, or grapefruits juice.



#### **Active Elements**

Antioxidant: Oryzanol, Tocopherol(Vitamin E), Ferulic Acid, Phycin Acid Activate SOD\* Co-Enzyme : Zink, Copper, Manganese

\*SOD(Superoxide Dismutase) eliminates ROS

## **HEALTH CARE**



# SUPPLEMENT

Supplise essential nutrients. The best nutritional and rehydration Drink

100% LACTO - Drink pure or mix with fruits juice

#### Instructions

Drink 100 - 200ml of LACTO with fruits juice or warm soup. It helps digestion, absorption and excretion. More effective to drink before meals and bedtime.







Drink for daily health care.



#### **Active Elements**

Proteins, Amino Acids, Fiber, Organic Acids, Vitamins, Minerals, Phytochemical, Enzymes, Beneficial Microorganisms (Ex. Botanical Lactobacillus), etc



## **COOKING - BIOCLEANER**

Clean Ingredients and Tools. Natural Disinfectant, Detoxification, Antiseptic.

#### Dilltion

10 ~ 1% LACTO - Mix with water for spraying or soaking

### Instructions

Soak ingredients and tools for 10 - 15mins or spray them before cooking.



Soak all kitchen tools in LACTO for hours or overnight



Spray to meat and fish for disinfation and deodorization before cooking



#### **Active Elements**

Bio-cleaner: Lactic Acid Bacteria. Organic Acids, Bacteriocin, etc Anti-Oxidant: Oryzanol, Tocopherol, Ferulic Acid, Phycin Acid

# **HEALTH CARE**



## **COOKING - SEASONING**

Adds sour flavor, removes bad smell, creates delicate and deep taste UMAMI

### Dilltion

100% LACTO - Use pure LACTO or mix with water

#### Instructions

Use for seasoning same as vinegar or wine to cook and create deep flavor Umami. Umami is amino acids (Flavor Enhancer).







Add in dish as seasoning same as wine, cook raw ingredients with Lactic Acid same as vinegar or liem, and make food fermented.



ou can make pickle, marinade, sourdough, fermented or cured food with LACTO.

#### **Active Elements**

Lactic Acid Bacteria, Yeast, Organic Acids, Enzymes, Amino Acids



# Supplies Nutrients, Activates The Brain And Relax The Mind

100 - 10% LACTO - Drink pure LACTO or mix with warm water

#### Instructions

Drink 200ml before and after bedtime.



Improving the function of "Second Brain (Intestin)" helps to release the stress.



Helps to feel happiness by increase serotonin in your



#### **Active Elements**

For Neuro-transmmiter: Amino Acids (GABA, GLU, GLY) For Serotoonin: Tryptophan Vitamin M, Niacin, B Vitamins, Inositol Antioxidant for Brain: Ferulic Acid

## **HEALTH CARE**



# Cleanses, Disinfects and Protects Baby with a LACTO barrier (Chemical Free)

#### Dilltion

10 ~ 1% LACTO - Use LACTO mixed with water

### Instructions

Wash Clothes, towels, toys and all baby items with LACTO. Or spray them.





Support baby's immunity with LACTO. Disinfect baby's items and environment with 100% organic cleaner!





#### **Active Elements**

For Disinfection: Peptidglycun and Lactic Acid from Lactic Acid Bacteria, Bacteriocin, Antioxidant Elements, etc. Check more "Skincare" & "Bio-Cleaner"



## ELDERLY CARE

Cleanses, Deodorizes, Disinfects and Preserves Health

#### Dilltion

10 - 1% LACTO -Drink pure LACTO or Mix with water

#### Instructions

Drink 200ml LACTO before and after bedtime. Wash the body or spray with it. Treats bedsore.



Support elderly's immunity and prevent their health with LACTO by improving intestinal flora.



Apply LACTO for bedsore, disinfection and deodorization.





#### **Active Elements**

For Disinfection: Peptidglycun and Lactic Acid from Lactic Acid Bacteria, Bacteriocin, Antioxidant Elements, etc. Check more "Skincare" & "Bio-Cleaner"

## **HEALTH CARE**



## **APHRODSIAC INTERNAL**

Activates the Brain, Improves Blood Circulation and Genital Function

100% LACTO - Use straight or mix with water

#### Instructions

Drink 200 - 300ml everyday. And 1 hour before bedtime.









Perfect for honeymoon! For passionate lovers!



Support your family planing!

#### **Active Elements**

Lactic Acid Bacteria, Vitamin B3, B6, B9, Vitamin E, Zink, Magnesium, Selenium Essential and Nonessential Amino Acids, etc.



## APHRODSIAC EXTERNAL

Cleans, Disinfects and Protects Genitals, Excites Partner

#### Dilltion

100 ~ 10% LACTO -Drink straight or Mix with water

#### Instructions

Wash, Spread, lick and Insert with it. Spray LACTO in Love!





Cleans, disinfects and make them wet before love.



#### **Active Elements**

Lactic Acid Bacteria, Sphingoipid, Linoleic Acid, B Vitamins, Vitamin E, Oryzanol Oryzabrn, Chondroitin Sulfate, Hyaluronic Acid, Amino Acids, Peptide, DNA, RNA, etc. Check more on "Genital Care" & "Skincare"

# **BODY CARE**



Cleanses, nourishes, moisturizes, repairs, softens and protects the skin. Use as Antioxidants and UV protection.

100 ~ 10% LACTO - Use pure LACTO or

### Instructions

Wash face and body with LACTO water everyday. Spray LACTO water on your body.







Spray to face after shower or before beditme.



#### **Active Elements**

Lactic Acid Bacteria, Sphingoipid, Linoleic Acid, B Vitamins, Vitamin E, Oryzanol Oryzabrn, Chondroitin Sulfate, Hyaluronic Acid, Amino Acids, Peptide, DNA, RNA, etc.



## HAIR CARE & SHOWER

Cleanses and Activates Scalp Cells, Moisturizes, Protects and Preserves the Elasticity of the Hair

50 ~ 10% LACTO - Mix LACTO with double or 5 times of warm water

#### Instructions

Spray or wash hair with LACTO water after shampoo. Use as Rinse, Conditioner or Treatment for hair. For treatment, rinse it after 5 ~10mins



ACTO is the perfect organic conditioner and treatment for hair and skin of head.





#### **Active Elements**

Lactic Acid Bacteria. Organic Acids(Lactic and Acetic Acids), Skincare Elements: Sphingolipid, Fatty Acid, B Vitamins, Vitamin E, Oryzanol, Oryzabran, Hyaluroniic Acd, etc.

# **BODY CARE**



## EYE, NOSE, EAR WASH

Cleans and Disinfects, Prevents Cold and Allergies

1 ~ 0.1% LACTO - Mix LACTO with a lot of water.

#### Instructions



Soak face in LACTO water(0.1%), open and close your eyes in it many times



Pour LACTO water(1%) into nose with a nasal



Clean your ears with otton bad with LACTO





#### **Active Elements**

Lactic Acid Bacteria, Organic Acids(Lactic & Acetic Acids) Skincare Elements



Cleanses, Disinfects and Protects the Genital

10 - 1% LACTO - Mix with a lot of warm water

#### Instructions

Sit and wash in the tub or spray the area.





Take the LACTO mini-bath and wash the area. Sit in the tub for 15 - 20 mins.





#### **Active Elements**

Lactic Acid Bacteria. Organic Acids(Lactic and Acetic Acids), Skincare Elements: Sphingolipid, Fatty Acid, B Vitamins, Vitamin E, Oryzanol, Oryzabran, Hyaluroniic Acd, etc.

# **BODY CARE**



# **BATHING**

Cleanses, Disinfects, Activates Body and Protects the Skin

#### Dilltion

10 ~ 1% LACTO - Put straight LACTO in the tub.

#### Instructions

Pour 2L ~ 20L of LACTO in bath (For 200L Normal Bath Size). More than 5% of LACTO Bath is recommended. Spray on body after bathing.







Scrub the body and remove old skin and dirt out with natural soap. Spray, pour to the skin or take a LACTO bath.

Treat skin damage after shaving



Get moisturized and smooth skin back with LACTO bath!

#### **Active Elements**

Lactic Acid Bacteria,
Organic Acids(Lactic and Acetic Acids),
Skincare Elements: Sphingolipid, Fatty Acid,
B Vitamins, Vitamin E, Oryzanol, Oryzabran,
Hyaluroniic Acd, etc.



## **DENTAL CARE**

Cleanses Mouth, Heals and Prevents Cavities. Disinfects and Deodorizes

#### Dilltion

1 - 0.1% LACTO - Put few drops in water

#### Instructions

Mouthwash or Spray before or after brushing. Brushing with natural salt is highly recommended. Soak the tooth-brush in pure LACTO overnight.



Natural Salt & LACTO are good enough to prevent cavities.



No More Cavities with LACTO!

Spray for disinfection & deodorization!



Soak the brush in LACTO for overnight, and dry in the sun

#### **Active Elements**

Lactic Acid Bacteria, Organic Acids, Enzymes, Minerals

# **BODY CARE**



## **DEODORIZATION - BODY**

Disinfects and Removes Bad Smell from Body

#### Dilltion

10 ~ 1% LACTO - Put pure LACTO in the tub or spray to the body.

#### Instructions

Scrub and remove old skin, then spray the area. Wash the body or take a bath with LACTO water.



Scrub the body well with scrubbing towel



y LACTO or in LACTO





o smell with good bacteria. Deodorize with LACTO!

#### **Active Elements**

Organic Acids(Lactic Acid, Acetic Acid) Lactic Acid Bacteria, Enzymes



## EXCRETION

Successful and Sensational Defecation, Prevent Constipation and Haemorrhoids

#### Dilltion

100% LACTO - Drink with Warm Water

#### Instructions

Drink 200ml before and after bedtime. Check your feces everyday! Spray to toilet paper and use as wet-paper.



Helps to prevent regular constipation by hormone unbalance.





100

Lactic Acid Bacteria, Fibers,
Organic Acids(Lactic and Acetic Acids),
Skincare Elements for Haemorrhoids.

**Active Elements** 

# **BODY CARE**



## **ATHLETE'S FEET**

Disinfects, Removes Bad Smell and Bacteria

10 ~ 1% LACTO - Put pure LACTO in the tub or spray to the body.

#### Instructions

Scrub and remove old skin, then spray the area. Wash feet or take a foot bath with LACTO water.







with warm water is more effective.



#### **Active Elements**

Lactic Acid Bacteria. Organic Acids(Lactic and Acetic Acids), Skincare Elements: Sphingolipid, Fatty Acid, B Vitamins, Vitamin E, Oryzanol, Oryzabran, Hyaluroniic Acd, etc.



## **WOUND TREATMENT**

Treats Wounds and infection. Disinfectant and antiseptic

100 - 10% LACTO - Spray pure or diluted LACTO

#### Instructions

Soak the injured part in LACTO or spray the area.





on your hand





### **Active Elements**

Lactic Acid Bacteria. Organic Acids(Lactic and Acetic Acids), Skincare Elements: Sphingolipid, Fatty Acid, B Vitamins, Vitamin E, Oryzanol, Oryzabran, Hyaluroniic Acd, etc.

# **ENVIRONMENT CARE**



10 ~1% LACTO - Put LACTO in bowl of water

#### Instructions

Soak dishes and kitchen tools in LACTO water for hours or overnight. Rise in water with sponge.





detergent and rise with LACTO water for quick dishwashing.



Minimize the consumption of water and soap

#### **Active Elements**

Lipase(Enzyme), Lactic Acid Bacteria, Organic Acids(Lactic and Acetic Acids), Fatty Acids, Antioxidant Elements



## **RUST OFF**

**Rusts Off and Prevents Oxidation** 

100% LACTO - Use Pure LACTO

#### Instructions

Soak rusty metal in LACTO overnight. Brush a bit. Dry and rustproof the metal with oil at the end.





Just soak the metals in LACTO for overnight!





#### **Active Elements**

Organic Acids(Lactic and Acetic Acids), Anti-Oxidant Elements (Oryzanol, Tocopherol, Ferulic Acid), Enzymes, Lactic Acid Bacteria

# **ENVIRONMENT CARE**



## **CLEANING - GENERAL**

Cleans and Disinfects Without Chemical Soap

10 - 1% LACTO - Put LACTO in bowl of water

### Instructions

Use for Wood, Cement, Tiles, Plastic. Spray and wipe! For thick dirt or oil, spray LACTO and leave it for 15mins wet and wipe it.







Just spray and wipe!



#### **Active Elements**

Lactic Acid Bacteria. Organic Acids(Lactic and Acetic Acids), Enzymes, Antioxidant Elements

## **CLEANING - SPECIFIC**

Cleans and Disinfects Specific Equipment

100 - 10% LACTO - For Spray or Soak

#### Instructions

Use for Oily Kitchen, sink, pipe, air-con and water filters, fridge, and coffee machine. spray them. Or soak in LACTO for hours or overnight.





Clean and safe with organic cleaner!





#### **Active Elements**

Lipase(Enzyme), Lactic Acid Bacteria, Organic Acids(Lactic and Acetic Acids), Fatty Acids, Antioxidant Elements.

# **ENVIRONMENT CARE**



**LAUNDRY** 

Rinse, Removes Dirt and Oil **Disinfects and Deodorizes** 

100% LACTO - Use pure LACTO

#### Instructions

Pour 500ml of LACTO(for 100L of water) into washing machine when it's rinsing. Or soak dirty clothes in LACTO overnight.



LACTO make dothes softer and better natural smell.



Soak in LACTO for hours or overnight.



#### **Active Elements**

Lactic Acid Bacteria, Organic Acids(Lactic and Acetic Acids). Enzymes, Antioxidant Elements



## **DRYING & IRONING**

Disinfects, Better Smell, Less Skin Allergies, Soften Materials

1 ~ 0.1% LACTO - Pour a bit in spray bottle

#### Instructions

Spray when drying or ironing. And dry well.





Apply for many different types of fabric. towle, cushion, pillow, curtain, clothes, sofa, bed-cover etc.



Spray and dry well.

#### **Active Elements**

Lactic Acid Bacteria, Organic Acids(Lactic and Acetic Acids), Enzymes, Antioxidant Elements

# **ENVIRONMENT CARE**



## **DEODORIZATION**

Disinfects and Removes Bad Smell from Air, Soil, Water, Garbage

10% LACTO - Put LACTO in bowl of water

#### Instructions

Pour or spray over bad smell, and cover the area.





Deodorize many types of bad smell from organic matter!





The best air refresher! You can mix with essential aroma oil too!

#### **Active Elements**

Organic Acids(Lactic Acid, Acetic Acid) Lactic Acid Bacteria, Enzymes



## **ANIMAL CARE**

Cleanses, Deodorizes and Disinfects Body. Preserves Animl's Health

10~ 1% LACTO for drinking and spraying for body

#### Instructions

Put in animal's food or water, let them drink sometimes. Spray or wash their body with LACTO.





Spray to their whole body and their house.



#### **Active Elements**

Lactic Acid Bacteria. Organic Acids(Lactic Acid, Acetic Acid). Proteins, Vitamins, Minerals

# **ENVIRONMENT CARE**



# © COMPOST

Recycles Garbage Easily and **Quickly into a Great Compost** 

100 - 10% LACTO - Mix with Soil

#### Instructions

Make LACTO water, mixing pure LACTO with water (Minimum 10%, LACTO 1:10 Water). Keep raw garbage in LACTO water, and mix with soil well when the bucket is full.







Mixing garbage with LACTO in the bucket keeps smell better and decomposed



Mix well with soil and cover!!



#### **Active Elements**

Beneficial Microorganisms(Ex.Lactic Acid Bacteria, Yeast, Kouji Bacteria, etc) Organic Acids, Enzymes, etc.



### GARDENING

Activates the Plants by Supplying Nutrients and Good Bacteria

0.5 ~ 0.1% LACTO - Dilute with a lot of water.

### Instructions

Make 0.1% LACTO water mixing pure LACTO and a lot of water(maximum 0.5%, LACTO 5: 1000 water). Pour or spray on plants and soil.



Pour to the flower and vegetable!



Spray to the leaft





#### **Active Elements**

Protein, Amino Acids, Cytokine(Phytohormone Peptide), Vitamins, Minerals, Enzymes, Beneficial Microorganisms (Ex. Kouji Bacteria, Lactic Acid Bacteria, Yeast, Phototrophic Bacteria, etc)