Y-Zone — Introduction

3X-MyBIOME Y

Vaginal Microbiome Analysis for Women's Health

Analyze microbial changes across life stages and classify communities using the CST model.



Turn the Vaginal Microbiome into Data

Microbial Composition · Distribution · Community Types

Considering life stages and lifestyle together

01 Vaginal Microbiome Analysis

Analyze microbial distribution and Lactobacillus dominance.

Composition | Dominant Microbes | Community Diversity

02 CST (Community State Types) Classification



CST I

L. crispatus Dominant

Associated with a protective environment.



CST II

L. gasseri Dominant

Lactobacillus-dominant



CST III

L. iners Dominant

Interpret alongside context and symptoms.



CST IV

Mixed Non-Lactobacillus Community

Associated with diversity, inflammation and imbalance.



CST V

L. jensenii Dominant

Lactobacillus-dominant



ETC

Other Mixed Types

Additional service categories.

CST classifies microbial communities and does not diagnose disease on its own.

03 Interpretation Based on Literature & Clinical Guidelines



250+ References

PNAS | CDC | ACOG

Results explained with reference to research literature and clinical guidelines.

Life Stage + Microbial Composition + CST Type for Personalized Care

Y-Zone — Key Features

3X-MyBIOME Y Key Features

18 Health-Related Items & Longitudinal Monitoring

Visualize five health domains and track microbial changes through repeat testing.



01 5 Health Domains · 18 Reference Items

Good Caution

Basic Health	Vaginal odor · Vaginal dryness · Vulvar pain/itching · Vaginal discharge	●●●●○
Vaginal Health	Bacterial vaginosis · Aerobic vaginitis · Trichomoniasis · Chlamydia	●●●○○
Urogenital Health	Pelvic inflammatory disease · Cystitis · Non-gonococcal urethritis	●●●●○
Uterine Health	Research on cervical cancer · Endometrial cancer · Endometriosis	●●●○○
Pregnancy Health	Research on preterm birth · Infertility · Gestational diabetes · Preeclampsia	●●○○○

Items support result explanations and consultations; dots illustrate microbial indicators. They do not confirm or predict infections, cancer or pregnancy complications.

02 Longitudinal Tracking

Track changes in the relative abundance of beneficial and monitored microbes.



L. crispatus

Monitored Microbes

Example display; results reflect actual changes.

03 Personalized Care for Women



Vulvar Cleansing & Lifestyle Guidance

Product guidance based on ingredients and strains.

L. rhamnosus GR-1 *L. reuteri RC-14*

Example strains; review individual circumstances and product information together.

Understand Health Data → Track Microbial Changes → Personalize Care

ALAGA At-Home Testing Journey

One-Stop Testing at Home or Work

From booking to results with the ALAGA mobile healthcare app

01 **Order a Package**
Book and pay in the app

02 **Kit Delivery**
Receive your test kit at home or work

03 **Easy 3-Minute Sampling**
Collect your sample and return it



ALAGA means care and nurturing

04 **Laboratory QC**
Check sample quality

05 **NGS Analysis**
Analyze microbial taxonomy and composition

06 **Smart Results**
View results and care guidance in the app

Order → Delivery → Self-Sampling → QC → NGS Analysis → Results

ALAGA Testing: Collaborating Research Institutions

Seoul National University
Yonsei University
Korea University
KAIST
POSTECH
UNIST

NGS Analysis Process | Four steps to scientific microbiome analysis

01 **DNA Extraction**
Extract microbial DNA from the sample

02 **Library Preparation**
Prepare DNA libraries

03 **Sequencing & Analysis**
Analyze DNA sequences and microbial taxonomy with NGS

04 **Interpretation & Care**
Provide personalized health guidance

ALAGA Test Portfolio | Key testing services at a glance

Gut Microbiome Test
Gut health supports whole-body health

Oral Microbiome Test
Oral health connects to whole-body health

Y Microbiome Test
Supporting immune balance and everyday wellness

Service Feature 1

ALAGA Mobile App & 7-Step Journey

An intuitive one-stop healthcare app built around care and nurturing



ALAGA

From Booking to Ongoing Care

7-Step End-to-End User Journey

1. Sign Up & Get Started
2. Book & Pay
3. 3-Minute Self-Sampling & Shipping — Ship
4. Laboratory Analysis
5. View Results
6. Personalized Care Solutions
7. Ongoing Longitudinal Management

6-Stage Real-Time Tracking

Reduce Support Workload

Target: 80% Fewer Support Requests

Order Complete → Kit Delivery → Complete Survey → Sample Collection → Laboratory Analysis → View Results

Track your test progress transparently in the app

Barcode-Based 1:1 Mapping

Scan the kit barcode to link the participant identification code

Improve Sample Identification Accuracy · Prevent Labeling Errors

Booking · Testing · Results · Care · Tracking in One App

Service Feature 2

Intuitive Reports & Detailed Screening Across 5 Health Domains

Simplify complex microbiome data and view health reference indicators at a glance

01 CST Classification

Visualize vaginal community types and representative beneficial bacteria



Classification Based on CST (Community State Types)

02 5 Health Domains · 18 Detailed Indicators

Good/Caution Dot Gauges by Domain

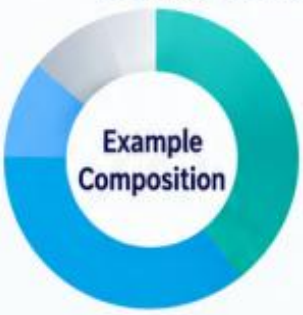
Good Caution

Basic Health	Information related to odor and itching	●●●○○
Vaginal Health	Microbial information related to vaginitis	●●●○○
Urogenital Health	Urinary and reproductive health references	●●●●○
Uterine Health	References for uterine health consultations	●●●●○
Pregnancy Health	References for pregnancy and reproductive health consultations	●●○○○

Example display; actual results vary.

03 Microbial Composition Donut Chart

Relative proportions (%) of the most abundant detected microbes



- Lactobacillus
- Prevotella
- Other

Relative abundance differs from absolute bacterial counts.



04 Detailed PDF for Clinical Consultations



48~50 Pages

Download the Full Report Instantly in the App

Use test results to support consultations and review care plans

Clear Summary + Detailed PDF to Support Understanding & Consultation

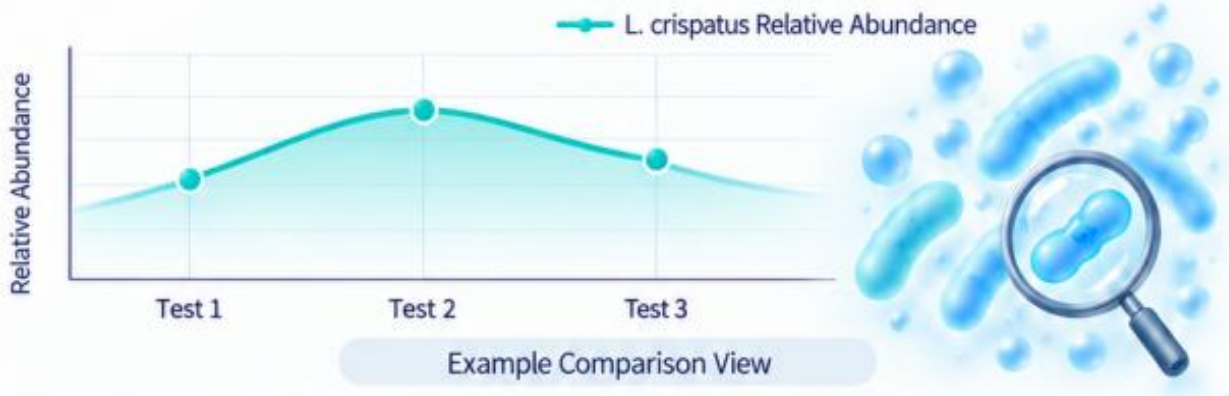
Service Feature 3

Longitudinal Tracking & Alaga AI Doctor

Track health changes through repeat testing and understand results through AI conversations.

01 Longitudinal Comparison

- CST Changes
- Beneficial Bacteria Trends
- Compare Past Results



Example Comparison View

02 Alaga AI Doctor

24/7 Conversational AI Results Guidance

- Test Date
- CST Results
- Detected Microbes



Personalized Guidance Linked to Your Latest Test Data

Understand Results · Explain Care Plans · Retesting Guidance

AI Summary

Clearly summarize indicators that changed since the previous test

Review Changes → Check Care Plans → Regular Retesting

Track Result Changes + Ask AI Questions Anytime