

ANIMAL NUTRITION TECHNOLOGY • PROBIOTIC & DFM SKILL DEVELOPMENT



NTHRYS
OPC PVT LTD



**Animal Feed Probiotics &
Direct-Fed Microbials
Industrial Manufacturing
Training Programs**

A complete industrial catalogue of hands-on probiotic & direct-fed microbial production training modules — from strain culture to feed-grade formulation.

61

PROGRAMS

10

CATEGORIES

2026

EDITION

Program Categories at a Glance

This catalogue lists every feed probiotic, direct-fed microbial and gut-health input our training programs are equipped to manufacture and teach, organised into 10 technology streams. Each program carries a unique product code for easy reference, enrolment and certification.

STREAM	CATEGORY FOCUS	DESCRIPTION	COUNT
NFP-LB	Lactic Acid Bacteria Probiotics	Lactobacillus & enteric LAB culture production	7
NFP-BS	Bacillus & Spore-Forming Probiotics	Heat-stable spore-former DFM production	6
NFP-YP	Yeast & Fungal Probiotics	Live yeast, yeast-culture & fungal DFM manufacture	6
NFP-MS	Multi-Strain & Synbiotic Blends	Combination, synbiotic & postbiotic product blending	6
NFP-PR	Prebiotics & Gut-Health Ingredients	Oligosaccharide & fibre prebiotic manufacture	6
NFP-PT	Poultry Feed Probiotics	Broiler, layer & gut-health poultry formulations	6
NFP-RU	Ruminant & Dairy-Cattle Probiotics	Rumen-modifier, dairy & calf probiotic production	6
NFP-SW	Swine & Pet Probiotics	Piglet, sow & companion-animal probiotic products	5
NFP-SL	Silage & Forage Inoculants	Forage-preservation & feed-stability culture production	6
NFP-FT	Formulation, Premix & Delivery Technology	Drying, encapsulation, premix & delivery formats	7
Total training programs			61

HOW TO READ A CODE

NFP – LB – 01

NFP Nthrys Feed-Probiotic Program LB Category stream 01 Program number

01

CATEGORY • NFP-LB

Lactic Acid Bacteria Probiotics

Lactobacillus & enteric LAB culture production

7

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-LB-01	Lactobacillus acidophilus	Gut-acidifying probiotic culture.
NFP-LB-02	Lactobacillus plantarum	Broad-host LAB probiotic.
NFP-LB-03	Lactobacillus rhamnosus	Gut-adhesion probiotic strain.
NFP-LB-04	Enterococcus faecium	Intestinal-balance probiotic.
NFP-LB-05	Pediococcus acidilactici	Acid-tolerant feed probiotic.
NFP-LB-06	Bifidobacterium	Hindgut-colonising probiotic.
NFP-LB-07	Lactococcus lactis	Fermentation LAB probiotic.

02

CATEGORY • NFP-BS

Bacillus & Spore-Forming Probiotics

Heat-stable spore-former DFM production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-BS-01	Bacillus subtilis	Heat-stable spore DFM probiotic.
NFP-BS-02	Bacillus licheniformis	Enzyme-secreting spore probiotic.
NFP-BS-03	Bacillus coagulans	Lactic spore-former probiotic.
NFP-BS-04	Bacillus clausii	Antibiotic-tolerant spore probiotic.
NFP-BS-05	Bacillus amyloliquefaciens	Gut-health spore probiotic.
NFP-BS-06	Clostridium butyricum	Butyrate-producing probiotic.

03

CATEGORY • NFP-YP

Yeast & Fungal Probiotics

Live yeast, yeast-culture & fungal DFM manufacture

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-YP-01	Saccharomyces cerevisiae	Live feed-yeast probiotic.
NFP-YP-02	Saccharomyces boulardii	Gut-protective probiotic yeast.
NFP-YP-03	Yeast Culture (Fermentation)	Whole yeast-culture DFM.
NFP-YP-04	Yeast Cell Wall (MOS / β -glucan)	Immuno-active yeast fraction.
NFP-YP-05	Aspergillus oryzae	Fungal DFM fermentation extract.
NFP-YP-06	Kluyveromyces	Rumen-active probiotic yeast.

04

CATEGORY • NFP-MS

Multi-Strain & Synbiotic Blends

Combination, synbiotic & postbiotic product blending

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-MS-01	Multi-Strain Probiotic Blend	Combined bacterial-yeast probiotic.
NFP-MS-02	Synbiotic (Pro + Prebiotic)	Synergistic gut-health blend.
NFP-MS-03	Probiotic-Enzyme Combo	Probiotic with digestive enzymes.
NFP-MS-04	Acidifier-Probiotic Blend	Probiotic with organic acids.
NFP-MS-05	Probiotic-Phytobiotic Blend	Probiotic with herbal actives.
NFP-MS-06	Postbiotic Feed Additive	Inactivated-metabolite gut product.

05

CATEGORY • NFP-PR

Prebiotics & Gut-Health Ingredients

Oligosaccharide & fibre prebiotic manufacture

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-PR-01	Mannan-Oligosaccharide (MOS)	Yeast-derived prebiotic.
NFP-PR-02	Fructo-Oligosaccharide (FOS)	Bifidogenic prebiotic.
NFP-PR-03	Galacto-Oligosaccharide (GOS)	Gut-flora prebiotic.
NFP-PR-04	Inulin	Chicory-derived prebiotic fibre.
NFP-PR-05	Beta-Glucan	Immuno-modulating prebiotic.
NFP-PR-06	Xylo-Oligosaccharide (XOS)	Low-dose prebiotic.

06

CATEGORY • NFP-PT

Poultry Feed Probiotics

Broiler, layer & gut-health poultry formulations

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-PT-01	Broiler Gut-Health Probiotic	Growth & FCR poultry probiotic.
NFP-PT-02	Layer Probiotic	Egg-production support probiotic.
NFP-PT-03	Competitive-Exclusion Culture	Salmonella-control gut culture.
NFP-PT-04	Chick-Starter Probiotic	Early gut-colonisation culture.
NFP-PT-05	Water-Soluble Poultry Probiotic	Drinking-water probiotic.
NFP-PT-06	Poultry Litter Probiotic	Ammonia-reducing litter culture.

07

CATEGORY • NFP-RU

Ruminant & Dairy-Cattle Probiotics

Rumen-modifier, dairy & calf probiotic production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-RU-01	Rumen-Modifier Probiotic	Rumen-fermentation optimiser.
NFP-RU-02	Dairy Milk-Yield Probiotic	Lactation-support probiotic.
NFP-RU-03	Calf Probiotic	Young-stock gut-health culture.
NFP-RU-04	Live-Yeast Rumen Culture	Rumen-pH stabilising yeast.
NFP-RU-05	Acidosis-Control Probiotic	Sub-acute acidosis management culture.
NFP-RU-06	Direct-Fed Microbial Bolus	Slow-release rumen bolus.

08

CATEGORY • NFP-SW

Swine & Pet Probiotics

Piglet, sow & companion-animal probiotic products

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-SW-01	Piglet Gut-Health Probiotic	Weaning-stress gut probiotic.
NFP-SW-02	Grower-Finisher Pig Probiotic	Growth & FCR swine probiotic.
NFP-SW-03	Sow Probiotic	Reproductive & gut-support culture.
NFP-SW-04	Canine / Feline Probiotic	Companion-animal gut probiotic.
NFP-SW-05	Pet Synbiotic Supplement	Pet probiotic-prebiotic blend.

09

CATEGORY • NFP-SL

Silage & Forage Inoculants

Forage-preservation & feed-stability culture production

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-SL-01	Homofermentative Inoculant	Rapid-acidification silage culture.
NFP-SL-02	Heterofermentative Inoculant	Aerobic-stability silage culture.
NFP-SL-03	Combination Silage Inoculant	Dual-action silage culture.
NFP-SL-04	TMR Stabiliser	Total-mixed-ration feed-out stabiliser.
NFP-SL-05	High-Moisture Grain Inoculant	Crimped-grain preservation culture.
NFP-SL-06	Hay / Forage Preservative	Bale-stability inoculant.

CODE	TRAINING PROGRAM	DESCRIPTION
NFP-FT-01	Spray-Dried Probiotic Powder	Stabilised dried-culture powder.
NFP-FT-02	Freeze-Dried (Lyophilised) Culture	High-viability lyophilised probiotic.
NFP-FT-03	Microencapsulated Probiotic	Gut-targeted encapsulated product.
NFP-FT-04	Feed Premix	Carrier-blended feed premix.
NFP-FT-05	Water-Soluble / Liquid Probiotic	Drinking-water-grade product.
NFP-FT-06	Pelleting-Stable Coated Probiotic	Heat-protected coated culture.
NFP-FT-07	Probiotic Bolus / Paste	Direct-dosing bolus & oral paste.

ENROL • CULTURE • NOURISH

Build a Career in Feed Probiotic Manufacturing

Every program in this catalogue is delivered as hands-on training on working fermentation and processing equipment — covering strain handling, mother & bulk culture, fermentation, harvesting, spray / freeze drying, encapsulation, premix & blending, potency & viability QC, packaging and feed-safety compliance. Mix and match programs to design a track that fits your goals.

61 training programs

10 technology streams

Unique **product code** for every module

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