

# Probiotic & Nutritional Gels and Pastes

Contract Manufacturing · Syringe-Filling · Private Label

ProbioFerm has decades of experience manufacturing probiotic and nutritional gels and pastes. With extensive formulation knowledge and full-service manufacturing capabilities, we are your preferred contract manufacturing partner for animal health delivery systems.

## Why Probiotic Gels & Pastes?

Probiotic gels and pastes are a convenient, highly controlled way to deliver beneficial bacteria and nutritional compounds directly to animals. The syringe-based format ensures complete, accurate dosing and is especially valuable during periods of stress, illness, antibiotic treatment, weaning, or feed transitions—when targeted nutritional support has the greatest impact on animal health and performance.

## Our Delivery System — FDA-Approved Syringe Platform



### Syringe Construction

Each syringe consists of three components: a barrel (product container), a plunger (for evacuation), and a cap (securing the nozzle orifice). All syringes are produced from FDA-approved polyethylene.

### Plunger Options

Straight ribbed plungers are suited for single-dose applications. Notch ribbed plungers accept dosing rings, enabling accurate multi-dose dispensing from a single syringe.

### Seal Quality

ProbioFerm specially selects seals with optimal sealing properties to prevent product leakage and maintain product integrity throughout the product's shelf life.

### Available Nozzle Types

1. Broad Nose
2. Long Nose
3. Paste Tip
4. Enema
5. Extended Long Nose
6. Wide Mouth
7. Large Cannula

Oral nozzle selection varies by barrel size and end use. Nozzle options are selected to match species and dosing requirements.



## Species & Recommended Syringe Sizes

| ANIMAL CATEGORY                                | TYPICAL SYRINGE | DOSE PER APPLICATION | CATEGORY  |
|------------------------------------------------|-----------------|----------------------|-----------|
| Birds, Reptiles & Other Small Animals Canine / | 15 cc           | 1–2 cc / dose        | Companion |
| Feline                                         | 15–30 cc        | 1–5 cc / dose        | Companion |
| Livestock – Monogastric (Swine, Poultry)       | 30–80 cc        | 1–10 cc / dose       | Livestock |
| Ruminants (Cattle, Sheep, Goats)               | 30–300 cc       | 5–300 cc / dose      | Livestock |

Let's Build Better Cultures Together

## Contact Us

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## Syringe Sizes, Packaging & Pricing

| SIZE   | PLUNGER OPTIONS           | TYPICAL PACKAGING                                                     | PRICE RANGE      |
|--------|---------------------------|-----------------------------------------------------------------------|------------------|
| 15 cc  | Standard plunger          | 12 tubes/shipper with insert holder<br>100 tubes/shipper, bulk packed | \$2.00 – \$6.00  |
| 30 cc  | Standard plunger          | 12 tubes/shipper with insert holder                                   | \$3.00 – \$7.00  |
| 60 cc  | Single dose & Dial-a-dose | 6 tubes/shipper with insert holder                                    | \$3.50 – \$10.00 |
| 80 cc  | Single dose & Dial-a-dose | 6 tubes/shipper with insert holder                                    | \$5.00 – \$10.00 |
| 300 cc | Standard plunger          | 12 cartridges/shipper                                                 | \$5.00 – \$12.00 |

**PRICING NOTE** Pricing depends on product formulation components, CFU/dose, syringe size, packaging format, and order volume. Blister packing of individual tubes and individual shelf display boxes are also available. Additional syringe sizes available on request; MOQs apply.

## Formulation Capabilities

### Probiotic Gels & Pastes

- Multi-strain lactic acid bacteria formulations – Direct-fed microbials for calves, cattle, swine, poultry, equine & companion animals
- Stress-support products for transport, weaning, or feed transitions
- High-CFU concentrated probiotic delivery systems

### Vitamin & Mineral Gels

- Vitamin A, D, and E nutritional supplements
- B-complex vitamin gels
- Trace mineral delivery systems (zinc, copper, manganese, selenium, cobalt)
- Electrolyte and hydration support formulations

### Custom Nutritional Formulations

- Energy support gels and pastes
- Prebiotic and synbiotic combinations
- Botanical and plant-extract formulations
- Amino acid and protein-based nutritional supplements
- Colostrum and immune-support formulations
- Species-specific custom blends to customer specifications

Partner with ProbioFerm to develop and manufacture your animal health gel or paste product—from formulation concept to finished, labeled syringe.

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