



BioLinker Synthetic Biology presents:

INVITROLINKER

INNOVATIVE ADDITIVES FOR ARTIFICIAL INSEMINATION



Supporting innovation through biology

- Founded in **2018**
- Synthetic Biology **pioneers** in LATAM
- **Break-even** in majority of our portfolio



Institucional Partners



International Awards





REVENUE STREAMS

Services

- Gene synthesis SYNBIO TECHNOLOGIES
- Plasmid sequencing PLASMIDSAURUS
- Protein interaction & stability AMOTEMPER

Projects

On-demand Protein Expression for our partners in

Human Health
Animal Health
Industrial Chemistry
& more



Market cap: 3.34 bi US\$



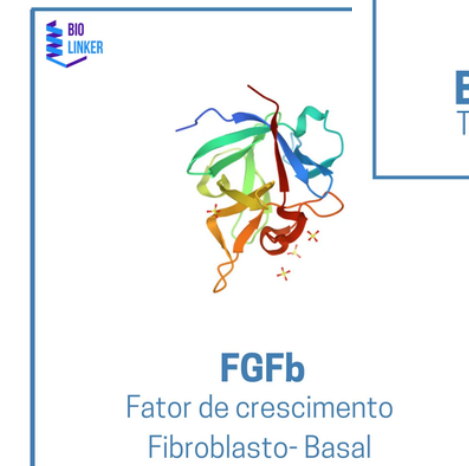
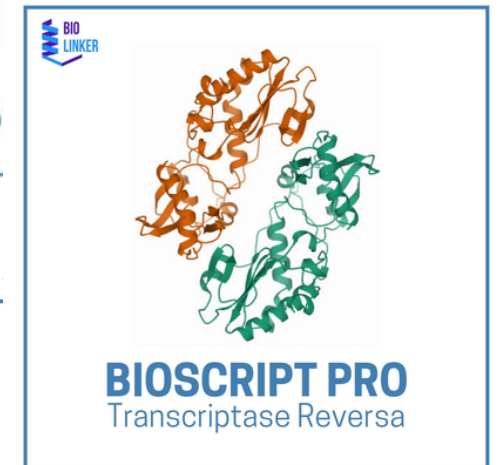
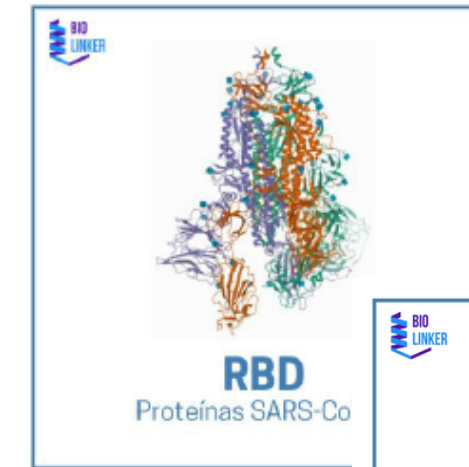
Market cap: 12.04 bi US\$



Market cap: 80.61 bi US\$

Products

Antigens




Enzymes

Growth Factors

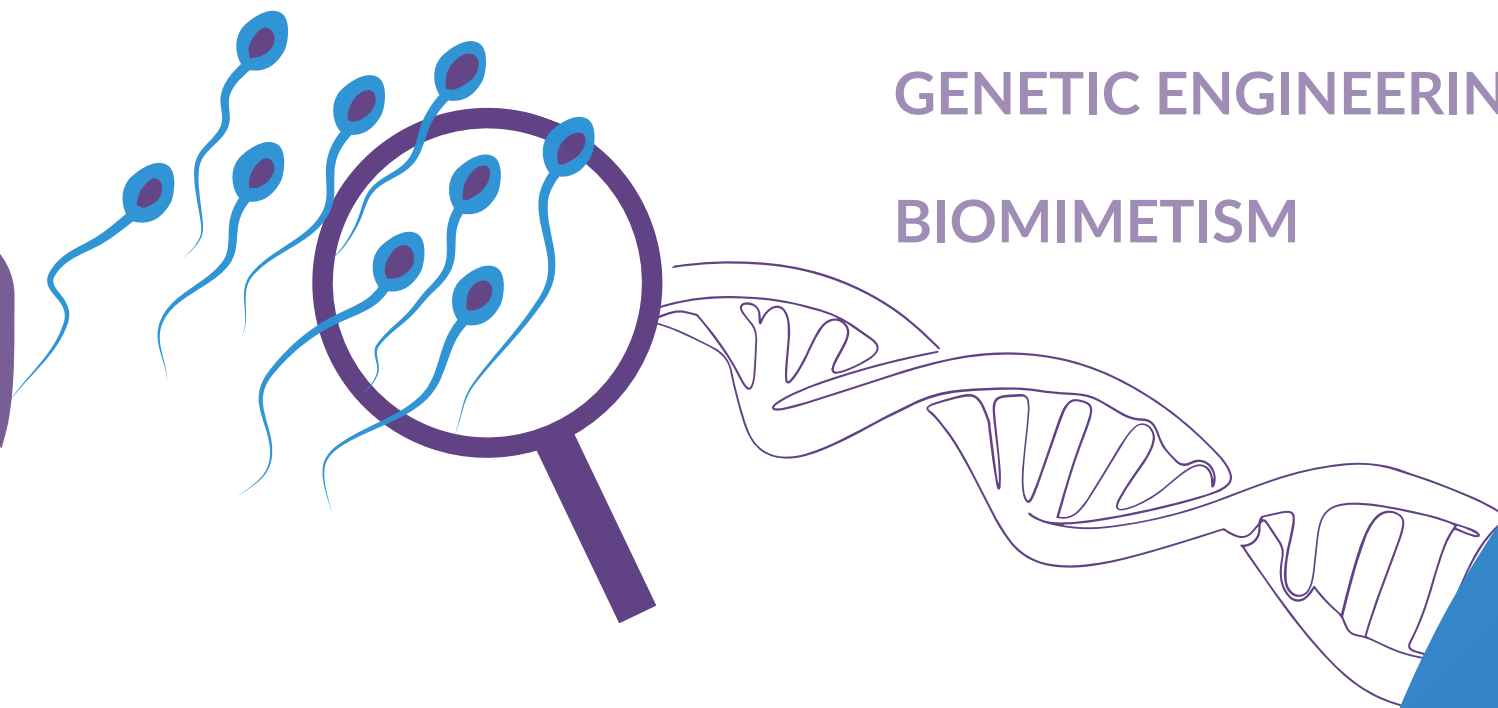
PAIN AND IMPACT

US\$ 360 - 600 milion/year in direct losses

- **Efficiency** in Artificial Insemination (AI) is a challenge for agriculture
- **Sperm conservation** poses as the greatest bottleneck for animal reproduction
- Sperm dose losses are estimated to be **30 - 50%** in Brazilian agribusiness 

PURPOSE

Help the Brazilian pork industry prevent +US\$ 1.2 bn/year in losses related to labour, transport and animal costs

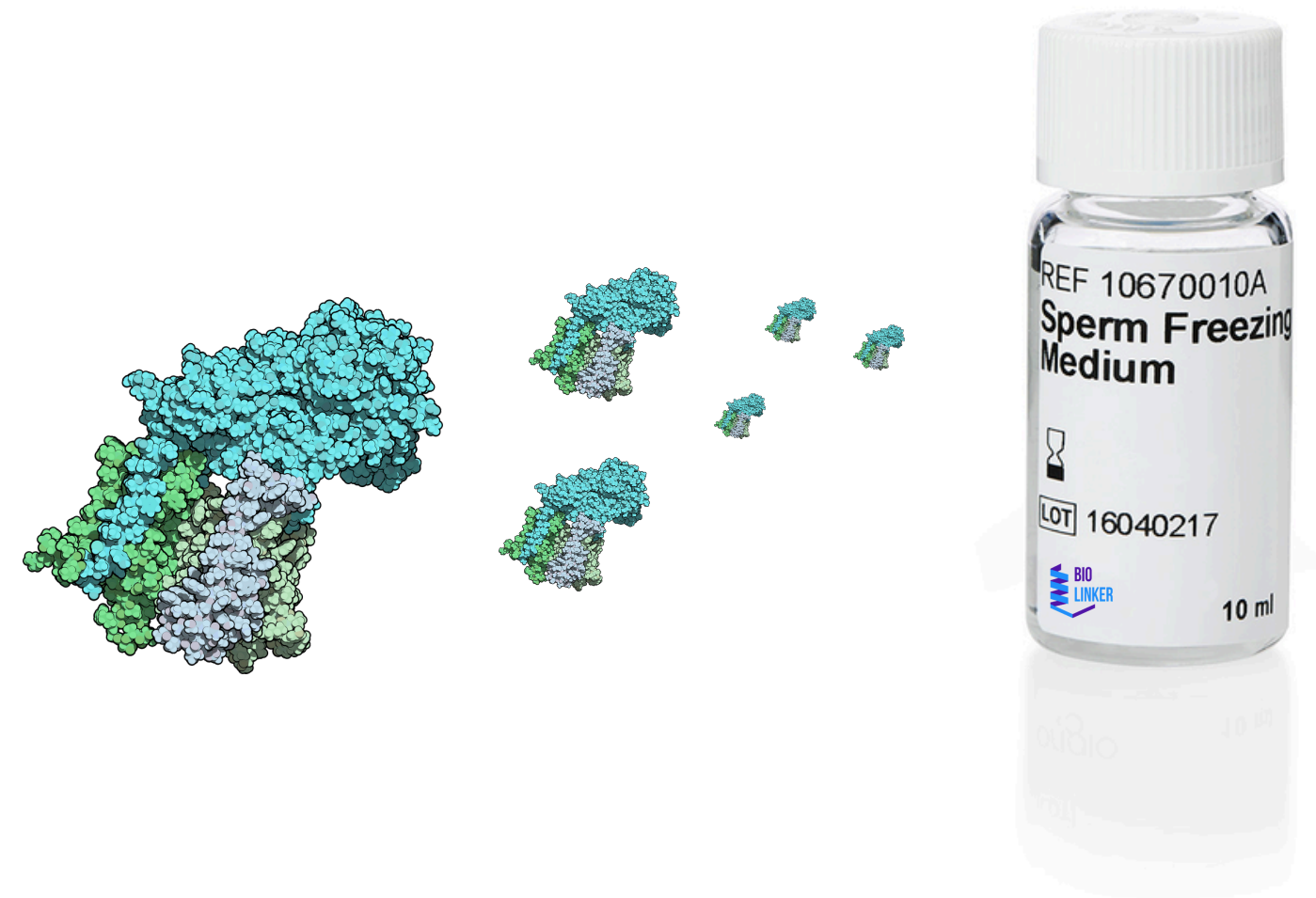


GAME-CHANGING SOLUTION

Swine-specific Proteic Cryopreservative

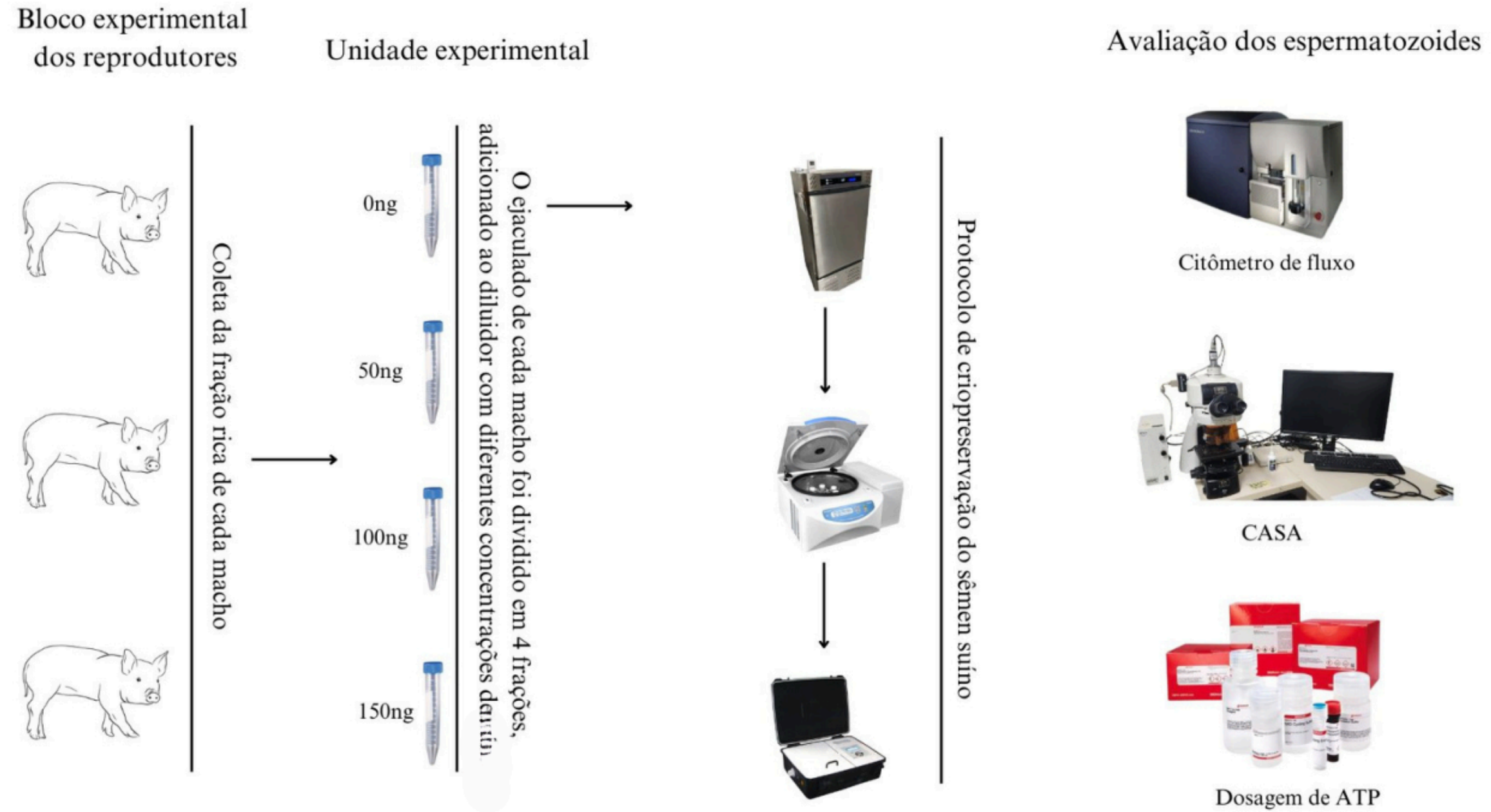
Biotech Approach for Swine-specific Molecules

Through state-of-the-art biotech strategies, we created a bio-additive that enhances reproductive parameters in sows.



Through collaboration with our academic partners, we were able to assess performance

STUDY DESIGN:



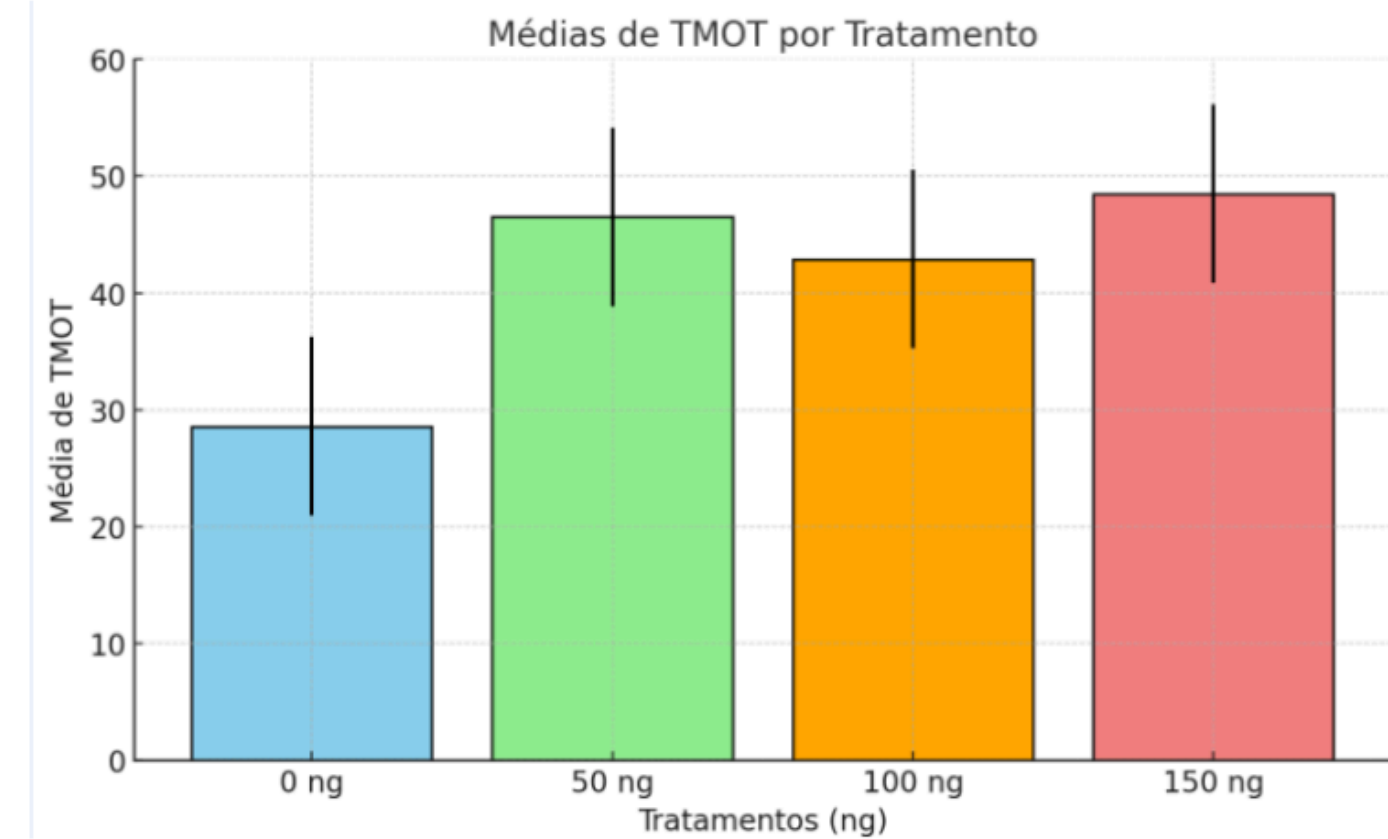
We knew our process is robust, but results were impressive nonetheless

- Estatística

| Tratamento (ng) | Média TMOT | Erro padrão | P-valor |
|-----------------|------------|-------------|---------|
| 0 | 28.58 | 7.64 | 0.0085 |
| 50 | 46.50 | 7.64 | 0.0007 |
| 100 | 42.90 | 7.64 | 0.0011 |
| 150 | 48.48 | 7.64 | 0.0006 |

Tabela 3- Valores médios de TMOT por tratamento.

Up to 70% increases in main sperm quality parameters



HIGH ON THE HOG

Leaving the competition hanging out to dry

InvitroLinkerTM

- **Nationally** produced
- (IP) Intellectual **Property strategy and prior art analysis in progress.**
- Better **gross profit** for producers



imported, no patent, high cost to producer



imported, no patent, high cost to producer

**In-House
Production**

no consistency, not commercially available

OUR OPPORTUNITY

NEXT STEPS

1. Pilot production / scale-up
2. Distribute to strategic players
3. Test the waters of bovine market



Growth Rate:

Projected CAGR of 4-6% through 2030, aligning with pork production expansion in countries like Brazil, Mexico, and Colombia.

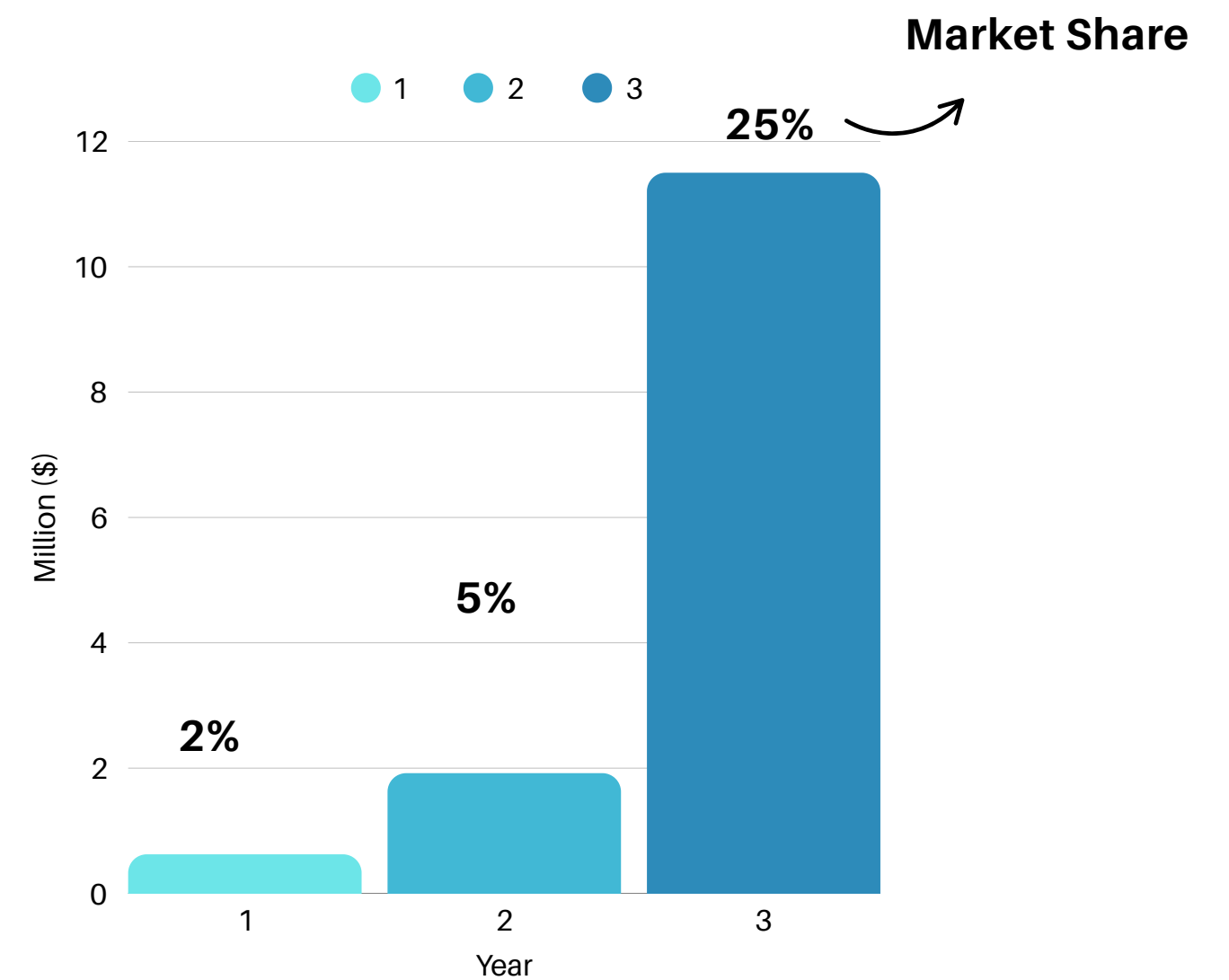
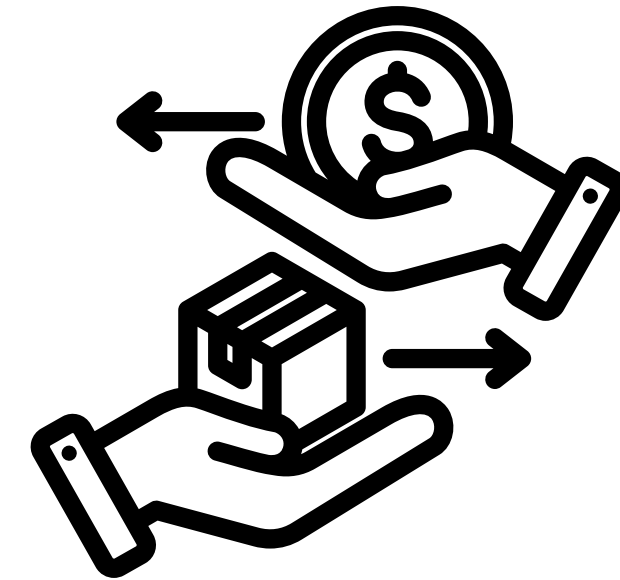
BUSINESS MODEL

Financial projection

Competitive Edge

- Estimated sales price: \$25 per sachet (compared to, for example, \$120 per bottle)
- Margin: 33x

Supply top manufacturers as white label (IMV Technologies, Minitüb, STgenetics)



BUSINESS ROADMAP



MVP launch
Consolidate first partners



Q4 2025

Expansion trials
Validate and showcase our technology with pilot projects with key partners



Q2 2026

Initial Tech Transfer technology
Refine business model with validation and technology transfer to Central of insemination.



2027

Partnerships and team expansion
Drive technology adoption and operational efficacy



2029

Global footprint
Tap into a \$300MM+ market, positioning InivtroLinker as a lead molecule in swine solutions



2030

SEED CAPITAL ALLOCATION

JOIN US IN THIS REVOLUTION

Total seed capital:

\$2.5 M

(next 18 months)

Ignite the Future of Bioengineered
Agricultural Inputs

