

Potential Applications Based on the Drug Dilution/Release Data

- **Localized Cancer Therapies (Beyond Radiation)**
Direct intratumoral injection of chemotherapeutics, targeted anti-cancer agents, or immunotherapies.
- **Regenerative Medicine and Tissue Engineering**
Delivery of growth factors, stem cells, or biologics to injury sites with controlled retention and gradual release as the gel resorbs.
- **Vaccine and Immunotherapy Delivery**
Sustained antigen or mRNA release for stronger/depot-like immune responses. Localized immune modulation.
- **Ophthalmology, Dermatology Injectables**
Precise, sustained delivery of drugs to ocular or skin tissues, where gelation prevents rapid clearance/dilution.
- **Veterinary Personalized Medicine**
Already tied to IsoPet® for animal tumors; the platform supports precise dosing for varied patients.
- **Other Injectable Depot Systems**
Long-acting injectables for chronic conditions (e.g., hormones, pain management, or antibiotics) with predictable pharmacokinetics based on the dilution/release studies.

A collaboration between Vivos Inc. and Akina Inc.