Sample Testing Plan: Plant-derived Vesicle Cosmetic Raw Materials

Ecyto Biotech | Preliminary sample evaluation protocol | July 2026

Purpose

This plan helps Thai OEM/ODM, distributor, or brand R&D teams screen formula compatibility and commercial interest before full commercial documentation is completed. It is not a final TDS, SDS, COA, PIF, or regulatory approval file.

1. Evaluation Objective

The first evaluation should answer four practical questions: whether the material can be reconstituted cleanly, whether it is compatible with the customer's target formula, whether it supports a credible cosmetic concept, and whether the customer wants to move into paid sample, pilot PO, or joint concept development.

2. Suggested Sample Kit

Item	Suggested role	Shipment note
Ginseng-derived vesicles	Anti-aging serum, ampoule, mask essence	Lyophilized sample; batch concentration and weight to be confirmed by COA
Ganoderma lucidum-derived vesicles	Soothing/barrier ampoule, sensitive-skin cream	Lyophilized sample; avoid high-heat processing until R&D limit is confirmed
Polygonum cuspidatum-derived vesicles	Antioxidant or oil/acne-prone concept	Lyophilized sample; evaluate color/odor impact in finished base
Gastrodia-derived vesicles	Stress/sensitive-skin or scalp concept	Lyophilized sample; confirm target formula pH and preservative system

3. Recommended Testing Timeline

Timing	Customer check	Requested feedback
Day 0	Reconstitution, appearance, odor, pH, first formula addition	Dose used, reconstitution method, pH, visual observations
Day 3	Dispersibility, color/odor shift, precipitation or separation	Pass/fail note and formula compatibility comments
Day 14	Preliminary room temperature and elevated-temperature stability where appropriate	Stability photos, pH drift, viscosity or sensory comments
Day 30	Formula concept review and next-step decision	Go/no-go for paid sample, pilot PO, or joint concept formula

4. Handling Guardrails

- Start with low-dose screening and increase only after appearance, odor, pH, and preservative compatibility look acceptable.
- Prefer cool-down phase addition and avoid high shear or high heat unless Ecyto R&D confirms a suitable process window.
- Record formula pH, preservative system, emulsifier/surfactant system, temperature exposure, and any precipitation, color, odor, or viscosity changes.
- Do not use therapeutic, wound-healing, stem-cell, or medical regeneration language in consumer-facing claims.

5. Feedback Template

Field	Customer input
Formula type	Serum / ampoule / mask essence / cream / scalp essence / other
Material and dose	Candidate used, dose range, batch number if available
Process	Reconstitution medium, addition phase, temperature, mixing condition
Observations	Appearance, odor, pH, precipitation, color, stability photos
Business interest	No fit / continue testing / request quote / paid sample / pilot PO

6. Commercial Next Steps

1. Technical call to confirm target concept and documentation needs.
2. NDA if detailed batch data or process information is requested.
3. Sample shipment for R&D/formulation evaluation only.
4. Feedback review and decision on paid sample, pilot purchase order, or a six-month non-exclusive market test agreement.

Pending official files

Final commercial use should wait for batch-specific TDS/SDS/COA and the customer's confirmation of acceptable ingredient naming, import route, and finished-product regulatory support needs.