LYOPRESTER®

THE CARTRIDGE IS ONLY THE BEGINNING.

Panacea's proprietary integrated dry-peptide preservation and reconstitution platform: a separately prepared lyophilised cake, sealed under vacuum with an argon backfill, and an engineered P-EARLs™ liquid in a precision dual-chamber cartridge.

5 years

UP TO · SEALED · ROOM TEMPERATURE 18–25 °C · AWAY FROM DIRECT SUNLIGHT

8 years

UP TO · SEALED · REFRIGERATED

6 months

UP TO · REFRIGERATED AFTER RECONSTITUTION · 40 DAYS AT ROOM TEMPERATURE

No freezing

DURING STORAGE



Genuine Lyoprester® cartridges — Panacea Bio Chem

MANUFACTURING

Not freeze-dried on the middle stopper

Every other laboratory dries its cake resting on the installed middle plunger. Panacea forms the cake on glass, with no plunger in the cartridge: no plunger chemistry in the cake, and a clean bypass at reconstitution.

LIQUID

P-EARLs™

Panacea-Engineered Aseptic Reconstitution Liquids, formulated for the peptide it dissolves: pH, buffering, solubility and compatibility set at manufacture. No generic diluent, no bacteriostatic water.

CONTAINMENT

Bubble-free liquid chamber

Enclosed between precision plungers with no air bubble: no gas reservoir and no gas–liquid interface. Panacea is the only manufacturer to achieve it.

ATMOSPHERE

ArgonLock™ + OxyDeplete™

Oxygen is removed from the liquids and argon dissolved in. The dry cake is sealed under vacuum, as in a classical vial, with an argon backfill on top. The peptide is kept away from oxygen from manufacture to use.

MEASUREMENT

Panacea EZnject™

110 indexed mechanical increments of 0.01 mL. Repeatable volume selection without reading syringe markings, and no separate vial withdrawals after reconstitution. A nominal mechanical displacement range of 1.10 mL.

> Not just a peptide. Not just a cartridge. An engineered preservation system.

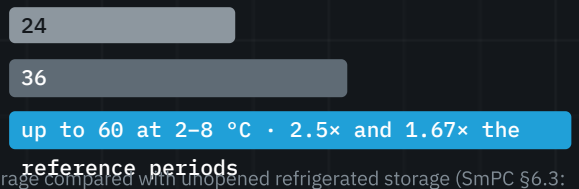
LIQUIPRESTER™

THE GLASS MAY VARY. THE DOSE MUST NOT.

NOT SIMPLY PREMIXED. PRECISION-ENGINEERED.

Panacea's advanced liquid-cartridge platform: the active ingredients are kept in solution, in an engineered formulation, with precisely controlled filling, oxygen depletion, argon conditioning, a cartridge with no gas pocket and dose-fidelity engineering. No harsh preservative chemistry, no antifreeze-type excipients.

UNOPENED · REFRIGERATED · MONTHS



Unopened refrigerated storage compared with unopened refrigerated storage (SmPC §6.3: Mounjaro KwikPen 24 months, Ozempic 3 years). Liquiprester™, unopened: up to 5 years at 2–8 °C, up to 6 months at room temperature; after first use, up to 4 months at 2–8 °C or up to 1 month at room temperature. Kept away from direct sunlight: ordinary room lighting does it no harm. Never frozen.

PRECISION FILLING

PleniDose™

A controlled rear-plunger datum and a defined active-content aliquot, keeping cartridge geometry, liquid content, pen and dose mapping in their proper relationship.

COMPLETION

ElimiVoid™ + Cryoviscous™

The remaining space completed with no bubble and without shifting the rear plunger, the active liquid held still by controlled low-temperature conditioning.

PRESERVATION STACK

OxyDeplete™ · ArgonLock™ · RedoxVault™

Oxygen removal, dissolved argon conditioning and lipid microsphere encapsulation of reactive actives.

DOSE FIDELITY

IncreSure™

The relationship between pen movement, actual liquid delivery and active content, across the stroke and across cartridge and pen variation.

GENUINE PANACEA

Genuine Lyoprester® and Liquiprester™ are defined by their manufacturer and their technology — not by the shape of the cartridge.

Panacea Lyoprester Liquiprester

panaceabiochem.co.uk

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