

Actives

QUINOSINE+™

Is an advanced bio-energetic follicular activation complex combining Adenosine and Pyrroloquinoline Quinone (PQQ), designed to target cellular energy metabolism at the follicular level. This synergistic system enhances mitochondrial performance, stimulates anagen phase induction, and supports sustained hair growth through improved ATP production and cellular signaling.

THE FORMULA

- Adenosine
- Pyrroloquinoline Quinone (PQQ)

MECHANISM OF ACTION

- **Adenosine:** direct A_{2A} receptor activation → anagen induction
- **PQQ:** mitochondrial biogenesis, ATP optimization
- **synergy between Adenosine and PQQ results in:** optimized ATP production improved follicular metabolic output
increased energy availability for hair growth.

FUNCTIONALITY

- Supports mitochondrial energy production
- Stimulates hair follicle activity
- Enhances ATP synthesis in follicular cells
- Extends the hair growth phase (anagen)
- Improves follicular metabolic performance

APPLICATIONS

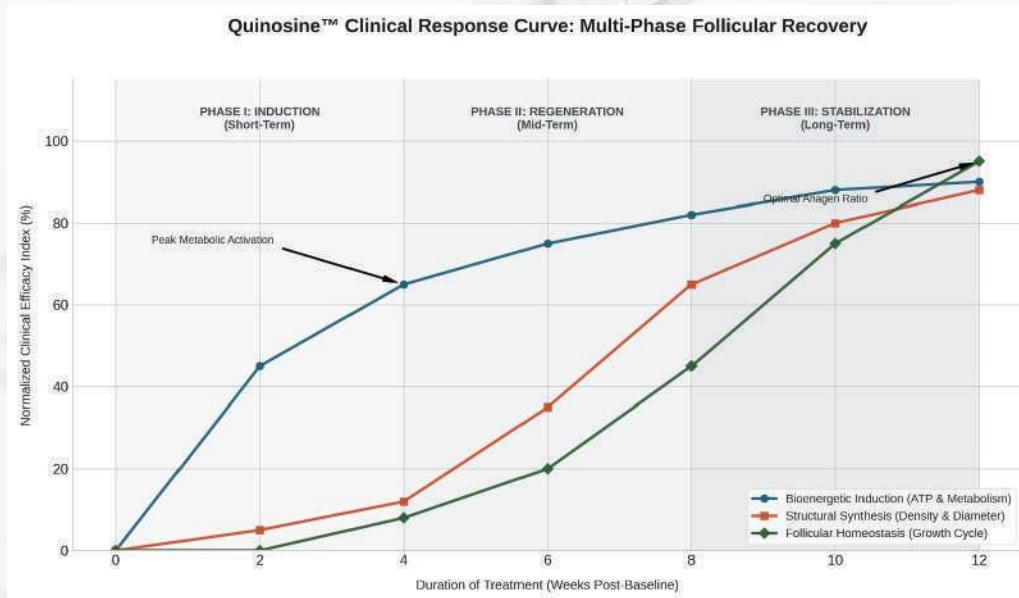
- **Professional ampoule**
- **Daily serum**
- **Scalp tonic**
- **Spray mist**
- **Booster serum**

TRICHONOMICS

Parameter	Outcome
Hair Density	↑ 18-30% (8 weeks)
Shedding Index	↓ 35-50%
Hair Shaft Diameter	↑ 12-20%
Anagen Ratio	↑ 20-35%
Follicular Energy Index	↑ 40-60%

CLINICAL OUTPUT

The graph illustrates the progressive improvements observed over time, from early scalp activation to long-term hair growth normalization through 3 phases: **Short-Term (4-2 weeks):** Improves scalp microcirculation, reduces hair shedding, and boosts follicular metabolism. **Mid-Term (8-4 weeks):** Increases hair density and thickness with a visible reduction in telogen-phase follicles. **Long-Term (12-8 weeks):** Enhances anagen/telogen ratio, strengthens follicular vitality, and supports sustained hair growth.



COMPATIBILITY

Works synergistically with:

- Niacinamide
- Caffeine
- Peptides (e.g., copper peptides)
- Zinc PCA



Indications

- **Androgenetic alopecia (AGA)**
- **Telogen effluvium**
- **Stress-induced hair loss**
- **Post-procedure follicular recovery**
- **Weak / low-energy follicular states**