TrichoConcept™

1st line of personalized treatment for alopecia

6 vehicles with TrichoTech™ technology

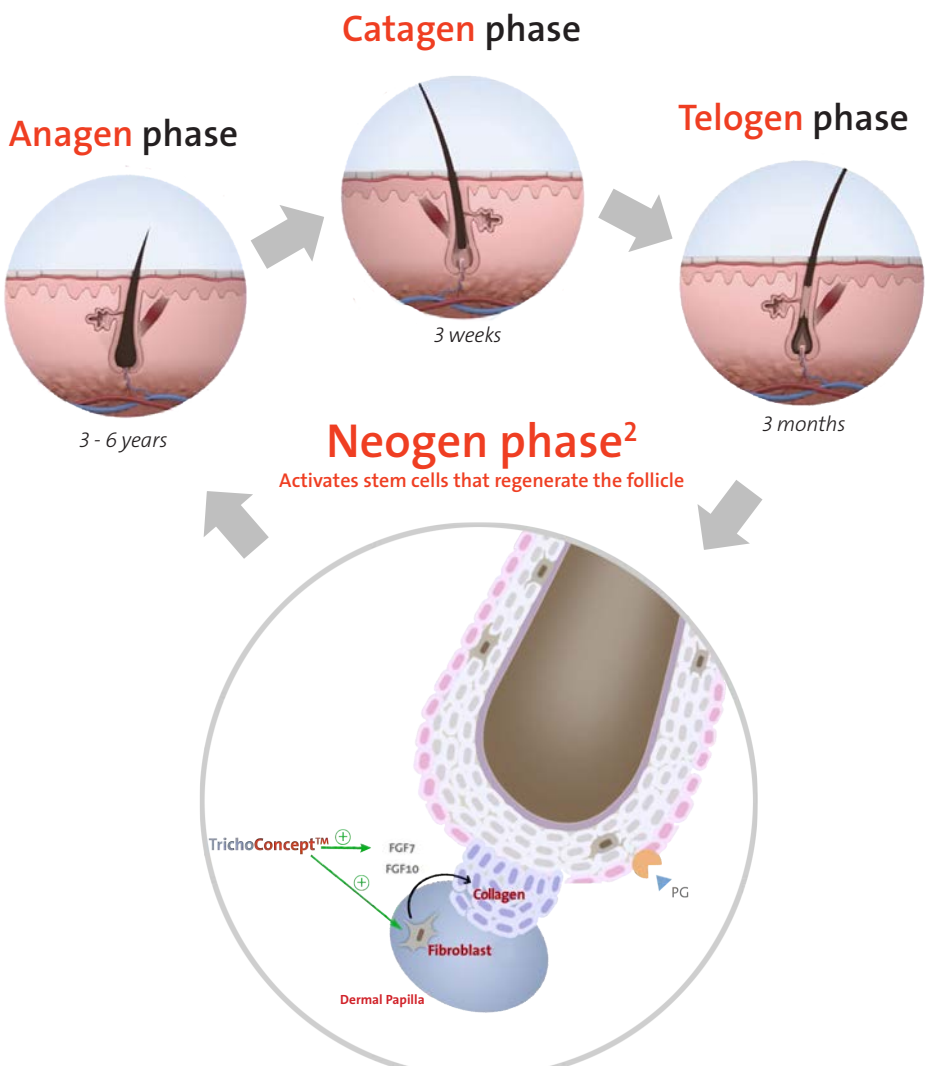
FAGRON

TrichoTech™ technology, acts in neogen phase

PATENTED

Common vehicles can irritate the scalp, by its content in alcohol, propylen glycol or aggressive surfactants. They cause dryness, itching and dandruff. They also alter the hydrolipidic mantle and can interact with the active ingredients.

FAGRON has developed the new line of TrichoConcept™ vehicles. They contain patented TrichoTech™ technology, intelligent phytocomplex extracted from standardized crops of Brazil's mountains. Acts physiologically in all the capillary system: bulb, scalp and hair.



Mechanism of action[1]

- Modulates gene expression of fibroblasts growth factors in the neogen phase. (Fig. 1)
- Stimulates fibroblasts's proliferation increasing the number of cells in phase S/G2/M (Fig. 4).
- Increases collagen synthesis by 25-30% (Fig. 2).
- Hydrates, regulates excess sebum and calms itching.

- FREE: propylene glycol, alcohol, parabens, dyes, petrolatum, 1-4-dioxane.
- Contain mild surfactants.

TrichoTech™ contiene Rosmarinus offinalis, Juniperus communis, Juniperus Virgianiana, Amyris Balsamífera, Lavandula angustifolia, Melaleuca alternifolia, Eucalyptus globulus.

1. *Amaral, F., Jardim,M., de Souza Antunes, V.M., Michelin, L.F.G.,dos Santos, B.A.R., Barbosa, C.M.V., Spindola,D.G., Bincoletto, C. and Oliveira, C.R.(2017) In Vitro Effects of the Phytocomplex TrichoTechTM on Human Fibroblasts: Proliferative Potential and Effects on Gene Expression of FGF-7 and FGF-10. Journal of Cosmetics , Dermatological Sciences and Applications , 7, 1-13.*
2. *Bernard, B. A. The Human Hair Follicle, A Bistable Organ? Experimental Dermatology, 2012, 21, 401–403.*

TrichoTech™ evidence: in vitro studies[1]

Stimulates fibroblasts's proliferations[2]

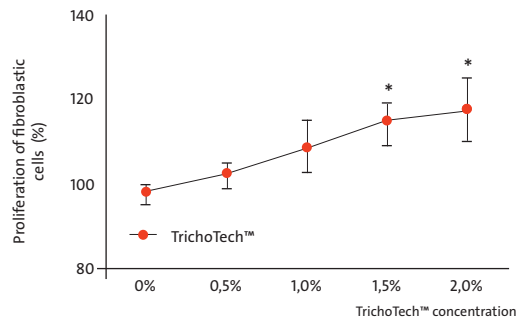


Fig. 1

Result of cell proliferation by the MTT method after 24 hours exposure to different concentrations of TrichoTech™. (*)P < 0.05

+25-30% collagen's amount[4]

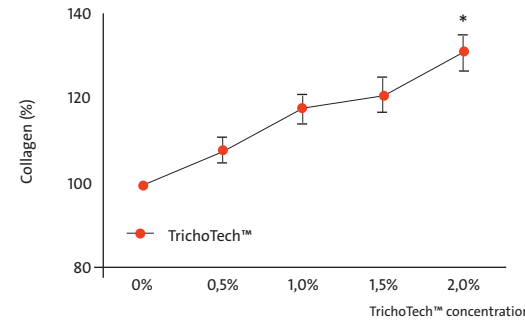


Fig. 2

Total collagen content in fibroblasts, measured by the incorporation of Sirus Red dye after 24 hours of exposure to different concentrations of TrichoTech™. (*)P < 0.05

Stimulates cell migration by regenerating tissue

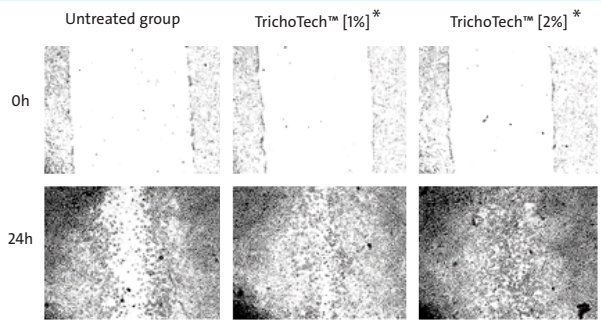


Fig. 3

Photographic representation of in vitro samples subjected to the simulation of lesions and exposed for 24 hours to different concentrations of TrichoTech™. (*)P < 0.05

Increases the number of cells in the Neogene phase (S/G2/M)[3]

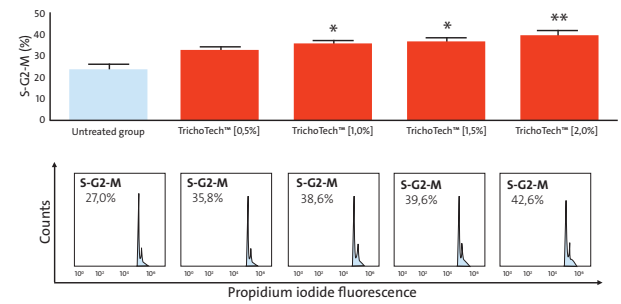


Fig. 4

Percentage of cells in S-G2-M phase after 24 hours of exposure to different concentrations of Trichotech™. Representative histograms of proliferative activity. (*)P < 0.05

Increases gene expression (mRNA) of growth factors[1]

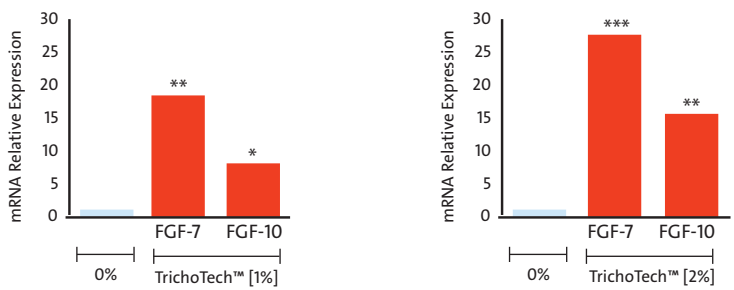


Fig. 5

Relative levels of mRNA expression of the FGF-7 and FGF-10 genes in fibroblasts. Evaluation made by (q)PCR. (*)P < 0.05; (**)P < 0.01; (***)P < 0.0001

Visible results in 60 days treatment

Before *After*

Minoxidil 7%, TrichoFoam™ 100 ml

Personalized treatment with TrichoTech™

Treatment: Scalp

TrichoSol™

Solution 1L
Alcohol and propylen glycol free.
Daily.

Minoxidil	2-7 %
TrichoSol™ q.s.	100 ml

Minoxidil	2 - 7 %
Finasteride	0,1 - 1 %
TrichoSol™ q.s.	100 ml

Minoxidil	2 - 7 %
Estradiol 17-α	0,015 - 0,025 %
TrichoSol™ q.s.	100 ml

Latanoprost	0,005 %
Finasteride	0,1 - 1 %
TrichoSol™ q.s.	100 ml

TrichoFoam™

Foam 1L
For localized areas of the scalp. Alcohol and propylen glycol free. Mild surfactants.
Daily.

Minoxidil	2 - 7 %
Clobetasol Propionate	0,05 %
TrichoFoam™ q.s.	100 ml

Minoxidil	2 - 7 %
Latanoprost	0,005 %
TrichoFoam™ q.s.	100 ml

Prostaquinon™	3 %
TrichoFoam™ q.s.	100 ml

Eyelashes and eyebrows

TrichoCream™

Gelcream 200 g
With vitamin E.
Daily.

Prostaquinon™	3 %
TrichoCream™ q.s.	15 g

Latanoprost	0,005 %
TrichoCream™ q.s.	10 g

Hair care

TrichoOil™

Oil 100 ml
With FA, seborregulator.
1-2 times a week, 10 minutes before the shampoo

Prostaquinon™	3 %
TrichoOil™ q.s.	30 ml

α-Tocopherol acetate (Vit E)	2 - 7 %
Retinol palmitate (Vit A)	1 %
TrichoOil™ q.s.	30 ml

Serenoa serrulata	0,5-2%
TrichoOil™ q.s.	30 ml

TrichoWash™

Shampoo 2 L
Mild surfactants.
Massage for 2 minutes and rinse.

CafeiSome™	2 %
Cyclopirox olamine	1,5 %
Dexpantenol	0,5 %
Nicotinamide	0,5 %
TrichoWash™ q.s.	100 ml

PSORIASIS

Coaltar	1 - 15 %
TrichoWash™ q.s.	100 ml

TrichoCond™

Conditioner 1 L
Seals the hair cuticle and redensifies.
After shampoo , keep it for 2 minutes and rinse.

Minoxidil	2 - 5 %
TrichoCond™ q.s.	60 ml

Dexpantenol	0,5 %
Pyridoxine HCl (Vit B6)	0,5 %
TrichoCond™ q.s.	60 ml

Dexpantenol	0,5 %
Nicotinamide	0,5 %
TrichoCond™ q.s.	60 ml

Trichotech™ has its own effect and enhances the result of the active ingredients.

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