

Compounding pharmacies can be a solution to drug shortages.

Serving the community, responsibly.

Together, we fight CoronaVirus!

01

Protection

WHO in its website recommends regularly and thoroughly clean your hands with an alcohol-based hand rub. Since most pharmacies are out of stock with antiseptic hand gels Fagron is sharing with you the following formulations.

Formulation 1

Purified Water
Sepigel 305
Isopropyl alcohol 99.9%

Formulation 2

Carbomer 940
Disodium edetate
Isopropyl alcohol
Purified water
Trolamine

Formulation 3

Purified Water
Hydroxyethylcellulose
Isopropyl alcohol 99.9%

Formulation 4

Isopropyl alcohol 99.9%
Hydrogen peroxide solution 3%
Glycerol
Sterile Water

02

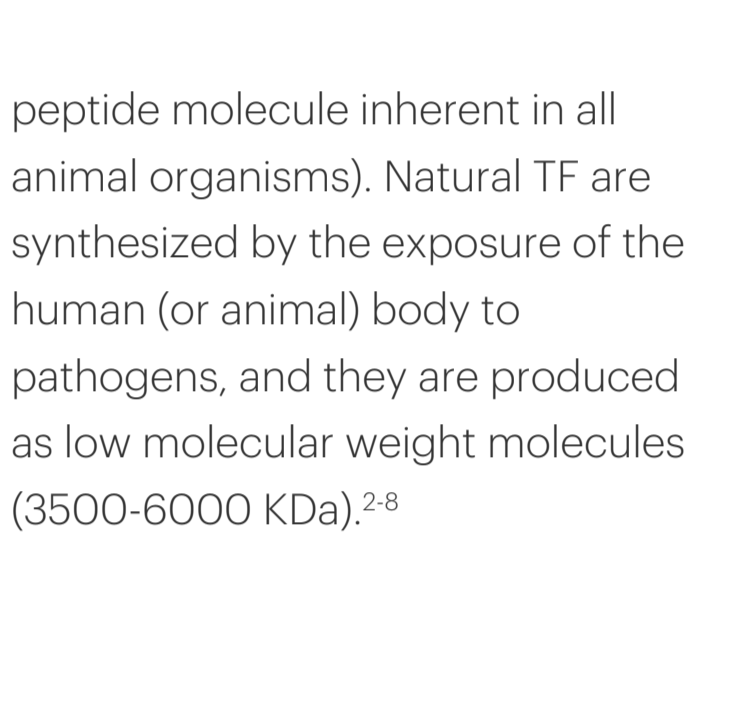
Prevention

What are transfer factors

Transfer factors (TF) are part of the immune system, and they act as a unique type of messenger used in cell-to-cell communication. They behave as hybrids between interleukins and antibodies, carrying messages from one cell to another (like interleukins), and also binding to antigens in a similar manner to what antibodies do.¹

They consist of small natural peptides which are non-species-specific, i.e., TF produced in one animal species is effective in another animal species (they are composed of oligoribonucleotides attached to a

peptide molecule inherent in all animal organisms). Natural TF are synthesized by the exposure of the human (or animal) body to pathogens, and they are produced as low molecular weight molecules (3500-6000 KDa).²⁻⁸



Presenting: Imuno TF®, the isolated TF

Imuno TF® is composed exclusively of isolated TF. Traditional products from the market are composed of extracts from natural sources of TF, such as lyophilized glands or colostrum, which can have contaminants or molecules with high molecular weight.

Unlike these products, the technological process involved (ultrafiltration) in production of Imuno TF® guarantees that the final product obtained is actually the isolated TF, and that its molecule

does not exceed 6000kDa (better bioavailability). This makes Imuno TF® a safer product, without the regular contaminants of traditional extracts.

The main goal of using Imuno TF® is to strengthen the immune system. In this way, opportunistic diseases can be prevented, especially in immunocompromised individuals. It can also act as coadjuvant in the treatment of chronic diseases; prevention of autoimmune diseases in predisposed individuals; and decrease the rate of recurrent infections.

Capsules with Imuno TF®

Imuno TF® 25-50 mg
Excipient* qs 1 capsule

30 capsules

***Dosage:** colloidal silicon dioxide 0.5%, maltodextrin qs.

Dosage: 1 capsule, twice a day, 5 ml, two to three times a day.

References

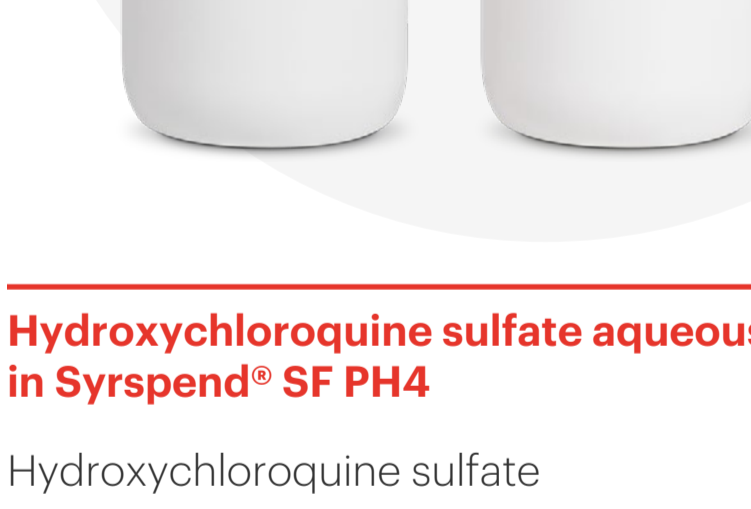
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3. ROZZO S.J., KIRKPATRICK C. Purification of transfer factor. Mol Immunol 1992;29:167-82.
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7. KRISHNAVENI M. A review on transfer factor an immune modulator. Drug Invention Today 2013;5:153-156.
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03

Cure

SyrSpend® SF

Innovative solutions for oral personalized medicine.



TIP

As a compounding pharmacist you can introduce SyrSpend to clinicians, in order to help final patients to improve compliance.

Hydroxychloroquine sulfate aqueous suspension 40 mg/ml in SyrSpend® SF PH4

Hydroxychloroquine sulfate 4 g
SyrSpend® SF PH4 qs to 100 ml

Oral off-label therapeutics

Active Pharmaceutical Ingredient

	Corticosteroids	Chloroquine	Hydroxychloroquine
Description	Steroids	Antimalarial agent, heme polymerase inhibitor	Antimalarial agent
Licensed dose⁶	<ul style="list-style-type: none"> • Normal dose: 4 to 48 mg/day • In case of multiple sclerosis exacerbation up to 1000 mg per day is given for 3 days (off-label use) 	<ul style="list-style-type: none"> • Malaria prophylaxis: 500 mg chloroquine phosphate once per week. • Malaria treatment: 2500 mg chloroquine phosphate over 3 days 	<ul style="list-style-type: none"> • Malaria treatment: Initial, 800 mg orally for 1 dose followed by 400 mg at 6, 24, and 48 hours after the initial dose
Proposed dose for COVID-19	COVID-19 clinical trial: Methylprednisolone 40 mg twice a day for 5 days	N/A	COVID-19 clinical trial: hydroxychloroquine 400mg per day for 5 days
Recommended compounded medication (in case of dose adjustments or severe swallowing difficulties and/or unavailability of commercial liquid medication)	Methylprednisolone 4 mg/ml in SyrSpend® SF PH4 liquid	Chloroquine phosphate 15 mg/ml in SyrSpend® SF PH4 liquid	Hydroxychloroquine sulfate 25 mg/ml in SyrSpend SF PH4 liquid. Manufacturer does not recommend crushing of tablet. However, it is suggested that this is possible ⁷
Proposed beyond-use-date in case of compounded medication	14 days at 2 - 8°C ^{1,2}	90 days at 2 - 8 or 15 - 25°C ³	14 days at 2 - 8°C. ^{1,2,4} Do not add sugar or artificial flavorings ⁴
Precautions needed to compound the medication⁵	<ul style="list-style-type: none"> • Safety glasses • Handle with gloves • Impervious clothing • Use safety cabinet and facial mask 	<ul style="list-style-type: none"> • Safety glasses • Handle with gloves • Impervious clothing • Use safety cabinet and facial mask 	No conclusive info found, therefore same as chloroquine

References

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Consult Fagron to learn more about the compounding solutions for CoronaVirus and bibliography.