Claims

1. Combination compound for improving sperm quantity and quality, comprising at least one antioxidant and citrulline, wherein it contains lycopene~~citrulline and/or omega 3 fatty acids~~.

2. Combination compound according to claim 1, wherein it contains at least one of the substances C vitamins, E vitamins, zinc, selenium, acetyl cysteine, L-carnitine, glutathione, lycopene, ubiquinone 10 components, omega 3 fatty acids.

3. Combination compound according to claim 1 or 2, wherein it contains the omega 3 fatty acids, eicosapentaenoic acid to docosahexaenoic acid, in a ratio of 3 to 2.

4. Combination compound according to one of claims 1 to 3, wherein it contains C vitamins in quantities of 1 to 20 % by weight, in particular 5 to 15 % by weight, preferably 6 to 10 % by weight, E vitamins in quantities of 1 to 20 % by weight, in particular 5 to 15 % by weight, preferably 6 to 10 % by weight, B9 vitamins in quantities of 0.005 to 2 % by weight, in particular 0.009 to 1 % by weight, preferably 0.01 to 0.1 % by weight, zinc in quantities of 0.5 to 5 % by weight, in particular 0.8 to 3.5 % by weight, preferably 1.2 to 2.5 % by weight, selenium in quantities of 0.001 to 1 % by weight, in particular 0.004 to 0.5 % by weight, preferably 0.006 to 0.1 % by weight, acetyl cysteine in quantities of 0.5 to 10 % by weight, in particular 1 to 6 % by weight, preferably 2.5 to 4.5 % by weight, carnitine in quantities of 3 to 30 % by weight, in particular 5 to 25 % by weight, preferably 10 to 23 % by weight, glutathione in quantities of 0.5 to 15 % by weight, in particular 1 to 10 % by weight, preferably 3 to 6% by weight, lycopene in quantities of 0.05 to 3 % by weight, in particular 0.08 to 1 % by weight, preferably 0.2 to 0.1 % by weight, and a ubiquinone 10 component in quantities of 0.05 to 10 % by weight, in particular 0.1 to 5 % by weight, preferably 0.8 to 3 % by weight, and omega 3 fatty acids in quantities of 5 to 50 % by weight, in particular 10 to 40 % by weight, preferably 20 to 35 % by weight, and/or citrulline in quantities of 0.5 to 40 % by weight, in particular 1 to 30 % by weight, preferably 12 to 20 % by weight, relative to the total weight of the therapeutically active substances of the combination compound.

5. Combination compound according to one of claims 1 to 4, wherein it contains copper, other carotinoids, B6 vitamins, B12 vitamins.

6. Combination compound according to claim 5, wherein it contains copper in quantities of 0.001 to 1 % by weight, in particular 0.003 to 0.5 % by weight, preferably 0.05 to 0.1 % by weight, B6-vitamins in quantities of 0.05 to 3 % by weight, in particular 0.08 to 1 % by weight, preferably 0.2 to 0.1 % by weight, B12-vitamins in quantities of 0.001 to 1 % by weight, in particular 0.003 to 0.5 % by weight, preferably 0.05 to 0.1 % by weight, other carotinoids, such as β-carotin, α-carotin, β-cryptoxanthin, lutein and zeaxanthin in quantities of 0.05 to 5 % by weight, in particular 0.08 to 1 % by weight, preferably 0.2 to 0.1 % by weight, relative to the total weight of the therapeutically active substances of the combination compound.

7. Use of the combination compound according to one of claims 1 to 6, wherein citrulline is administered in daily doses of 1 mg to 600 mg, in particular 10 mg to 500 mg, preferably 200 mg to 400 mg.

~~7~~8. Use of the combination compound according to one of claims 1 to ~~6~~7 as a medicament, balanced diet and/or food supplement.

~~8~~9. Use of the combination compound according to one of claims 1 to 8 ~~Citrulline~~ for the treatment of oligozoospermia, asthenozoospermia and/or teratozoospermia.

~~9. Citrulline according to claim 8, wherein it is contained in a combination compound comprising therapeutically active substances, such as at least one antioxidant.~~

~~10. Citrulline according to claim 8 or 9, wherein it is administered in daily doses of 1 mg to 600 mg, in particular 10 mg to 500 mg, preferably 200 mg to 400 mg.~~

~~11. Citrulline according to claim 8 to 10, wherein it is incorporated in quantities of 0.5 to 40 % by weight, in particular 5 to 35 % by weight, preferably 10 to 20 % by weight, relative to the total weight of the therapeutically active substances of the combination compound.~~