

Year 2025

NATURE4EVER

Nature4ever

Life Science (opc) Pvt. Ltd.

► Presented By:
Nature4ever



Website:
nature4ever.com



Product Summary



1. Enhancing general wellness.
2. Healthy aging.
3. Protects skin stem cells.
4. Resolution of oxidative stress and inflammation.
5. Nerve regeneration.
6. Improving blood circulation.
7. Boosting antioxidant defence.



Ingredients

- ❖ Apple Stem cell (Malus Domestica) - (Switzerland)
- ❖ Grape Seed (Solar Vitis) - (Switzerland)
- ❖ SOD B ® Melon juice concentrate - (France)
- ❖ Resveratrol - (Us)
- ❖ Acai berry extract - (Us)
- ❖ Black berry extract - (Us)
- ❖ Blue berry extract - (France)
- ❖ Cran berry extract - (Us)
- ❖ Straw berry extract - (France)
- ❖ Astaxanthin - (Japan)
- ❖ Co-enzyme Q10 - (Us)
- ❖ Chlorella - (Us)
- ❖ Omega 369 - (Japan)
- ❖ barley grass extract - (France)



Safety Parameters & Lab Test Reports

BioCellix is the most potential supplement in overall wellness


- Zero toxicity
- No side effects
- High bioavailability
- 100% botanical ingredients
- No heavy metals
- No microbial contamination
- Fast and easily dissolves and is absorbed by the body
- No synthetic molecules
- Gluten-free, vegan, no gelatin
- No artificial flavours or ingredients
- Suitable for both men and women
- Manufactured in GMP, ISO, FSSAI certified facility with strict quality controls
- Tested for safety in international laboratories



Laboratory Reports

Orac Value

ORAC stands for Oxygen Radical Absorbance Capacity, a test that measures the antioxidant power of foods and other substances






गणेश वैज्ञानिक अनुसन्धान संस्थापन

(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के खाद्य मंत्रालय द्वारा अनुमोदित)

GANESH SCIENTIFIC RESEARCH FOUNDATION

(Approved Competent Laboratory by Government of India and Delhi Govt.)




TEST CERTIFICATE

Issued to: NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED Shop No. 05, Model Town, Chajju Majra, Mohali, T.C.Kharar, Kharar, Rupnagar- 140301, Punjab	Report No.: GSRF/24-25/163 Date of Issue: 26-11-2024 Your reference: Person Kind Atten.:
---	---


SAMPLE PARTICULARS


Name of Sample: Nature4Ever BioCellix	Test Start: 20-11-2024
Product Details :- NA	Test Completed-25-11-2024
Batch No. :- NA	Samples Packg: 300 pieces
Sampling done by: Party	Date of sample receipt :-20-11-2024

S.No.	Parameters	Unit	Result	Method
1.	ORAC (Antioxidant Capacity)	μmol TE/g	8500	ISO/TS 22917:2021
2.	Toxicity Assessment	LD50 (mg/kg bw)	> 2000	IS 4011:1997



ANALYST





ESTD 1978

AUTHORISED SIGNATORY

NOTE:

- The results listed above refer only to the tested samples of & applicable parameters. Endorsement of products is neither inferred nor implied.
- Total liability of our institute is limited to the invoiced amount.
- Samples will be destroyed after four weeks from the date of the certificate.
- This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law & should not be used in any advertising media without proper permission

Laboratory Reports

Glycemic Index



गणेश वैज्ञानिक अनुसन्धान संस्थापन
(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के खाद्य मंत्रालय द्वारा अनुमोदित)
GANESH SCIENTIFIC RESEARCH FOUNDATION
(Approved Competent Laboratory by Government of India and Delhi Govt.)

ESTD 1978



ISO 9001:2015
CERTIFIED

TEST CERTIFICATE

Issued to: NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED Shop No. 05, Model Town, Chajju Majra, Mohali, T.C.Kharar, Kharar, Rupnagar- 140301, Punjab	Report No.: GSRF/24-25/165
	Date of Issue: 26-11-2024
	Your reference: Person
	Kind Atten.:

SAMPLE PARTICULARS

Name of Sample: Nature4Ever BioCellix	Test Start: 15-11-2024
Mfg. Date :-01/05/2024	Test Completed-25-11-2024
Expiry Date :-01/05/2026	Samples Packg: 300 pieces
Sampling done by: Party	Date of sample receipt :-15-11-2024

S.No.	Parameters	Result	Category	Method
I.	Glycemic Index (GI)	55	Low GI	ISO 26642:2010



ANALYST



AUTHORIZED SIGNATORY

NOTE:

- The results listed above refer only to the tested samples of & applicable parameters. Endorsement of products is neither inferred nor implied.
- Total liability of our institute is limited to the invoiced amount.
- Samples will be destroyed after four weeks from the date of the certificate.
- This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law & should not be used in any advertising media without proper permission

Laboratory Reports

Stability Test
Non-Toxic Test



गणेश वैज्ञानिक अनुसन्धान संस्थापन

(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के खाद्य मंत्रालय द्वारा अनुमोदित)

GANESH SCIENTIFIC RESEARCH FOUNDATION

(Approved Competent Laboratory by Government of India and Delhi Govt.)



ISO 9001:2015 CERTIFIED

TEST CERTIFICATE

Issued to:
NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED
Shop No. 05, Model Town, Chajju Majra, Mohali,
T.C.Kharar, Kharar, Rupnagar- 140301, Punjab

Report No.: GSRF/24-25/164
Date of Issue: 26-11-2024
Your reference: Person
Kind Atten.:

SAMPLE PARTICULARS

Name of Sample: Nature4Ever BioCellix

Test Start: 11-05-2024

Mfg. Date :-01/05/2024

Test Completed-25-11-2024

Expiry Date :-01/05/2026

Samples Packg: 500 gm

Sampling done by: Party

Date of sample receipt:-10-05-2024

Test Parameter	Condition/Unit	Initial	1 Month	3 Months	6 Months	Acceptable Range	Remarks
Physical Appearance	Visual Observation	No changes	No changes	No changes	No changes	No significant changes	Complies
Color	Visual Observation	Light brown	Light brown	Light brown	Light brown	No discoloration	Complies
Odor	Sensory Evaluation	Herbal scent	Herbal scent	Herbal scent	Herbal scent	No off-odor	Complies
Moisture Content	% w/w	3.5	3.8	4.2	4.5	≤ 5%	Complies
pH (1% solution)	-	6.5	6.4	6.3	6.3	6.0-7.0	Complies
Active Ingredient Retention	% of Initial Value	100%	99.5%	98.0%	96.5%	≥ 95%	Complies
Microbial Contamination	CFU/g	< 10	< 10	< 10	< 10	≤ 100 CFU/g	Complies
Dissolution	% Release in 30 min	95.0%	94.8%	94.5%	94.0%	≥ 90%	Complies
Assay of Key Ingredients	% of Label Claim	100%	99.5%	98.5%	96.8%	≥ 95%	Complies

Conditions for Stability Testing

Temperature: 40°C ± 2°C

Humidity: 75% RH ± 5% RH

Duration: 6 months

ANALYST

NOTE:

1. The results listed above refer only to the tested samples of & applicable parameters. Endorsement of products is neither inferred nor implied.

2. Total liability of our institute is limited to the invoiced amount.

3. Samples will be destroyed after four weeks from the date of the certificate.

4. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law & should not be used in any advertising media without proper permission



ESTD. 1978

AUTHORIZED SIGNATORY

Heavy Metal Test

AGSS ANALYTICAL AND RESEARCH LAB (P) LTD.

(Accredited as per ISO/IEC 17025 : 2017, Recognised by FSSAI, MoEF&CC and Directorate of Ayush)

C-37/2, 2nd, 3rd & 4th Floor, Lawrence Road, Industrial Area, Delhi-35

Ph.: 011-45022985, 9311654060

E-mail: agsslabs@gmail.com, support@agsslabs.com Web.: www.agsslabs.com

Certificate No. TC-14944

CIN : U73200DL2016PTC300483 GST : 07AAOCA142Q1Z5

Format No.: AGSS/QS/F-024

Page No.: 1 of 3

TEST REPORT

Issued to :

NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED

Shop no.5, Model Town, Chajju majra, Mohali, T.C. Kharar, Kharar,
Rupnagar-140301, Punjab

ULR No. : TC148442400001128F
Report No. : AGSS/NP/24112500003
Sample Issue Date : 25/11/2024
Report Issue Date : 29/11/2024

Name of The Product : Nature 4 Ever Bio Cellix
Product Description : Pinkish to white colour powder
Batch No./Lot No. : NA
Date of Manufacturing : Not specified
Date of Expiry : Not specified
Packing Condition : Poly Pack
Location : NA
Sample Received / Collected By : Courier
Testing Required : Chemical Test
Others specification : NA

Sample Received Date : 25/11/2024
Analysis Starting Date : 25/11/2024
Analysis Completion Date : 29/11/2024
Date of Sampling : -
Quantity Received : 2gm x 80 Nos.
Environment Condition : Ok
Sampling Method : NA
Sampling By : NA

TEST RESULT

S.No.	Test Parameters	Units	Result	Requirement	Method of Testing
Chemical Parameters:-					
1	Energy	Kcal/100g	384.81	-	AGSS/CHEM-FOOD/SOP-013
2	Protein (N x 6.25)	g/100g	0.26	-	IS-7219-1973
3	Carbohydrate	g/100g	95.2	-	IS-1656-2022
4	Total Sugar	g/100g	92.25	-	AGSS/CHEM-FOOD/SOP-014
5	Total Fat	g/100g	0.33	-	IS-12711-1989
6	Dietary Fiber	g/100g	1.29	-	AOAC-985.29, 22nd Edition 2023
7	Saturated Fat	g/100g	BLQ(0.1)	-	AGSS/CHEM/SOP-GC/08
8	Trans Fat	g/100g	BLQ(0.1)	-	AGSS/CHEM/SOP-GC/08
9	Added Sugar	g/100g	6.26	-	AGSS/CHEM-FOOD/SOP-014
Heavy Metals:-					
10	Lead(as Pb)	mg/kg	BLQ(0.05)	2.5 Max	AGSS/CHEM/SOP/ICPMS/26
11	Copper (as Cu)	mg/kg	0.95	30 Max	AGSS/CHEM/SOP/ICPMS/26
12	Arsenic(as As)	mg/kg	BLQ(0.05)	1.1 Max	AGSS/CHEM/SOP/ICPMS/26
13	Tin (as Sn)	mg/kg	BLQ(0.05)	250 Max	AGSS/CHEM/SOP/ICPMS/26
14	Cadmium (as Cd)	mg/kg	BLQ(0.05)	1.5 Max	AGSS/CHEM/SOP/ICPMS/26
15	Mercury (as Hg)	mg/kg	BLQ(0.05)	1.0 Max	AGSS/CHEM/SOP/ICPMS/26
16	Methyl Mercury (calculated as element)	mg/kg	BLQ(0.05)	0.25 Max	AGSS/CHEM/SOP/ICPMS/26
Pesticides Residue:-					
17	2,4-Dichlorophenoxy Acetic Acid	mg/kg	BLQ(0.01)	2.0 max	AGSS/CHEM/SOP/PEST/02

P/24112500003-1

Imran Adil

Section In Charge (Food)
Checked by


Umesh Kumar

Technical Manager
Checked by


NOTE : (1) The laboratory accepts the responsibility for content of report. (2) The above result pertain only to the sample tested and applicable parameters. (3) Test report shall not be reproduced except in full, without written approval of the laboratory. (4) This test report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S AGSS. (5) The sample will be stored up to 21 days from the date of issue of test certificate unless otherwise specified. (6) Sample not drawn by M/S AGSS Lab, unless specified in report. (7) All disputes are subject to the Delhi jurisdiction.

Laboratory Reports

Pesticides Test
Contaminants Test



AGSS ANALYTICAL AND RESEARCH LAB (P) LTD.
(Accredited as per ISO/IEC 17025 : 2017, Recognised by FSSAI, MoEF&CC and Directorate of Ayush)
C-37/2, 2nd, 3rd & 4th Floor, Lawrence Road, Industrial Area, Delhi-35
Ph.: 011-45022985, 9311654060
E-mail: agsslabs@gmail.com, support@agsslabs.com Web: www.agsslabs.com
CIN : U73200DL2016PTC300483 GST : 07AAOCA142Q1Z6




Form No.: AGSS/FORM/424C-1484


Page No.: 2 of 3

Issued to :
NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED
Shop no.5, Model Town, Chajju majra, Mohali, T.C. Kharar, Kharar,
Rupnagar-140301, Punjab

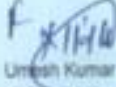
ULR No. : TC148442400001128F
Report No. : AGSS/NP/24112500003
Sample Issue Date : 25/11/2024
Report Issue Date : 29/11/2024

S.No.	Test Parameters	Units	Result	Requirement	Method of Testing
18	Sum of benomyl and carbendazim expressed as carbendazim	mg/kg	BLQ(0.01)	5.0 max	AGSS/CHEM/SOP/PEST/02
19	Captan	mg/kg	BLQ(0.01)	15.0 max	AGSS/CHEM/SOP/PEST/02
20	Carbendazim	mg/kg	BLQ(0.01)	5.0 max	AGSS/CHEM/SOP/PEST/02
21	Carbofuran	mg/kg	BLQ(0.01)	0.1 max	AGSS/CHEM/SOP/PEST/02
22	Chlorpyrifos	mg/kg	BLQ(0.01)	0.5 max	AGSS/CHEM/SOP/PEST/02
23	Copper Oxchloride(Copper determined as elemental copper)	mg/kg	BLQ(0.01)	30.0 max	AGSS/CHEM/SOP/PEST/02
24	Dichlorvos (DDVP)	mg/kg	BLQ(0.01)	0.1 max	AGSS/CHEM/SOP/PEST/02
25	Dicofol (sum of o,p' and p,p' isomers)*	mg/kg	BLQ(0.01)	5.0 max	AGSS/CHEM/SOP/PEST/02
26	Dimethoate	mg/kg	BLQ(0.01)	2.0 max	AGSS/CHEM/SOP/PEST/02
27	Ethylene bis- dithiocarbamates	mg/kg	BLQ(0.01)	3.0 max	AGSS/CHEM/SOP/PEST/02
28	Ethion(Residues to be determined as ethion and its oxygen analogue and expressed	mg/kg	BLQ(0.01)	2.0 max	AGSS/CHEM/SOP/PEST/02
29	Malathion (Malathion to be determined and expressed as combined residues of mala	mg/kg	BLQ(0.01)	4.0 max	AGSS/CHEM/SOP/PEST/02
30	Monocrotophos	mg/kg	BLQ(0.01)	1.0 max	AGSS/CHEM/SOP/PEST/02
31	Paraquat dichloride (Determined as Paraquatations)	mg/kg	BLQ(0.01)	0.05 max	AGSS/CHEM/SOP/PEST/02
32	Phorate (sum of Phorate, its oxygen analogue and their sulfoxides and sulphones	mg/kg	BLQ(0.01)	0.05 max	AGSS/CHEM/SOP/PEST/02
33	Phosalone	mg/kg	BLQ(0.01)	2.0 max	AGSS/CHEM/SOP/PEST/02
34	Thiometon	mg/kg	BLQ(0.01)	0.5 max	AGSS/CHEM/SOP/PEST/02
35	Trichlorfon	mg/kg	BLQ(0.01)	0.1 max	AGSS/CHEM/SOP/PEST/02
Contaminants:-					
36	Melamine	mg/kg	BLQ(0.5)	2.5 max	AGSS/CHEM/SOP/HPLC/11
Microbiological Parameters:					
37	Aerobic Plate Count	cfu/gm	350	10000 Max	IS:5402(P-1) 2021
38	Yeast & Mould Count	cfu/gm	<10	100 Max	IS:5403 1999


P/24112500003-2



Irfan Asif
Section In Charge (Food)
Checked by



Umesh Kumar
Technical Manager
Checked by




Dr. Shikha
Director Technical
Authorized Signatory

NOTE : (1) The laboratory accepts the responsibility for content of report. (2) The above result pertain only to the sample tested and applicable parameters. (3) Test report shall not be reproduced except in full, without written approval of the laboratory. (4) This test report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S AGSS. (5) The sample will be stored up to 21 days from the date of issue of test certificate unless otherwise specified. (6) Sample not drawn by M/S AGSS Lab, unless specified in report. (7) All disputes are subject to the Delhi jurisdiction.

Laboratory Reports

Microbiological Parameters Test




AGSS ANALYTICAL AND RESEARCH LAB (P) LTD.

(Accredited as per ISO/IEC 17025 : 2017, Recognised by FSSAI, MoEF&CC and Directorate of Ayush)

C-37/2, 2nd, 3rd & 4th Floor, Lawrence Road, Industrial Area, Delhi-35

Ph.: 011-45022985, 9311654060

E-mail: agsslabs@gmail.com, support@agsslabs.com Web.: www.agsslabs.com



CIN : U73200DL2016PTC300483 GST : 07AAOCA4142Q1Z6

Page No. : 3 of 3

Issued to :
NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED
Shop no.5, Model Town, Chajju majra, Mohali, T.C. Kharar, Kharar,
Rupanagar-140301, Punjab

ULR No. : TC148442400001128F

Report No. : AGSS/NP/24112500003

Sample Issue Date : 25/11/2024

Report Issue Date : 29/11/2024


S.No.	Test Parameters	Units	Result	Requirement	Method of Testing
39	Enterobacteriaceae	cfu/gm	<10	100 Max	IS-17112(P-2) 2019
40	Salmonella	/25gm	Absent	Absent	IS-5887(P-3)Sec-1 2020
41	Listeria monocytogenes	/25gm	Absent	Absent	IS-14988(P-1) 2020


Remarks : The Tested Sample Conforms as per FSSAI-2011, with respect to above test only.

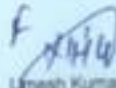
Note: 1) BLQ=Below Limit of Quantification. 2) Figure in bracket indicate limit of quantification.


End of Report

P/24112500003-3




Inian Ash
Section In Charge (Food)
Checked by


Umesh Kumar
Technical Manager
Checked by


Dr. Shival Singh
Director Technical
Authorized Signatory

NOTE : (1) The laboratory accepts the responsibility for content of report. (2) The above result pertain only to the sample tested and applicable parameters. (3) Test report shall not be reproduced except in full, without written approval of the laboratory. (4) This test report shall not be reproduced wholly or in part and can not be used as an evidence in the court of law without written approval of M/S AGSS. (5) The sample will be stored up to 21 days from the date of issue of test certificate unless otherwise specified. (6) Sample not drawn by M/S AGSS Lab, unless specified in report. (7) All disputes are subject to the Delhi jurisdiction.

Laboratory Reports

Vegan Test



गणेश वैज्ञानिक अनुसन्धान संस्थापन

(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के खाद्य मंत्रालय द्वारा अनुमोदित)

GANESH SCIENTIFIC RESEARCH FOUNDATION

(Approved Competent Laboratory by Government of India and Delhi Govt.)



TEST CERTIFICATE

Issued to: NATURE4EVER LIFE SCIENCES (OPC) PRIVATE LIMITED Shop No. 05, Model Town, Chajju Majra, Mohali, T.C.Kharar, Kharar, Rupnagar- 140301, Punjab	Report No.: GSRF/24-25/171 Date of Issue: 09-12-2024 Your reference: Person Kind Atten.:
---	---

SAMPLE PARTICULARS

Name of Sample: Nature4Ever BioCellix	Test Start: 29-11-2024
Mfg. Date :-01/05/2024	Test Completed-07-12-2024
Expiry date :-01/05/2026	Samples Packg: 200gm
Batch No. N4E/05/2024	Date of sample receipt :-20-11-2024

S.No.	Parameters	Test Method	Result	Detection limit
RT PCR Test for vegan Claim:				
I.	Detection for Non-Vegan Species	RT-PCR	Absent	LOD(0.1%)



ANALYST



AUTHORISED SIGNATORY

NOTE:
*LOD -Limit of Detection
- 1A

ESTD 1978

- The results listed above refer only to the tested samples of & applicable parameters. Endorsement of products is neither inferred nor implied.
- Total liability of our institute is limited to the invoiced amount.
- Samples will be destroyed after four weeks from the date of the certificate.
- This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law & should not be used in any advertising media without proper permission

Office : 64-65, Satguru Ram Singh ji Marg, Kirti Nagar Industrial Area, New Delhi-110 015
Mobile : 9268933883, Ph. : (0) 011-25102814, 25195045
E-mail : info@gsrf.co.in, gsrfdelhi@gmail.com | Website : www.gsrf.co.in

Steroid Test

	<h1>Vardan Envirolab LLP</h1> <p>Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR) ISO 9001 ISO 14001 ISO 45001</p>	
<h2>Test Report</h2>		
<p>Sample Name : Biocellix</p>		
<p>Submitted By : M/s. Nature4Ever Life Sciences (OPC) Pvt. Ltd.</p>		
<p>Shop No-05, Model Town, Chajju Majra, Mohali, T.C. Kharar, Rupnagar-140301</p>		
<p>Format No : 7.6 F 04 Mfg. Lic.No. : NS</p>		
<p>Report No. : VEL/DF/2412050008 Date of Receipt : 05/12/2024 Report Date : 10/12/2024 Period of Analysis : 05/12/2024-10/12/2024 Stability Condition :</p>		
<p>Mfd. By : NS Supplied By : NS Ref.No. : VEL/FPTPL/241205</p>		
<p>Batch No. : N4E/05/2024 Mfg. Date : 05/2024 Exp. Date : 05/2026</p>		
<p>Batch Size : NS Sample Qty. : 20 Piece</p>		
<h2>RESULTS OF ANALYSIS</h2>		
<p>Reference to Protocol : In House Specification</p>		
<p>Description : Red and white granular powder sachet</p>		
<p>Test Parameters : Results Limit</p>		
<p>Identification (By HPLC)</p>		
<p>For Steroid</p>		
<p>(i) Dexamethasone : Negative</p>		
<p>(ii) Betamethasone : Negative</p>		
<p>***End of Report***</p>		
<p>Note :- Party asked for the above tests only.</p>		
<p>Checked by : </p>		
<p>Person-in-Charge : </p>		
<p>Page : 1 of 1</p>		
<p>Terms & Conditions</p>		
<p>The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.</p>		
<p>The test report is full or in part, shall not be reproduced in any form without prior written approval of the laboratory.</p>		
<p>To confirm the authenticity of this certificate of analysis, please contact us through email at pharma@vardan.co.in</p>		
<p>Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period</p>		
<p>The report no. with Suffix A-Amended Report</p>		
<p>This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory</p>		
<p>Giving opinions does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.</p>		
<p>www.vardan.co.in</p>		
<p>Customer Care: 8448181960, Ph: 0124-4343750, 9810355569, 9953147268 E-mail: pharma@vardan.co.in, bd@vardan.co.in</p>		

Laboratory Reports

Vitamin C Test



Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Page No. 1/1

Name & Address of the Party

M/s. Nature4Ever Life Sciences (OPC) Pvt. Ltd.
Shop No-05, Model Town, Chajju Majra, Mohali, T.C.
Kharar, Rupnagar-140301 Punjab

Name of the Sample

Biocellix

Sample Group

Drug & Pharmaceuticals (Finish)

Brand Name

NS

Sample Description

Biocellix

Manufacturer Name

NS

Supplier Name

NS

Batch Size

NS

MFG. Lic. No.

NS

Batch/Lot No.

N4E/05/2024

Mfg. /Prod. Date

05/2024

Expiry Date/Best Before

05/2026

Sample Receipt Mode

Courier

Report No.

VEL/DF/2412050008

Format No

7.8 F 04

Party Reference No

VEL/FPTPL/241205

Reporting Date

10/12/2024

Period of Analysis

05/12/2024-10/12/2024

Receipt Date

05/12/2024

Sampling Quantity

20 Piece

Sample Packaging

Sealed Polypack

S.No	Parameter	Test Method	Result	Unit	Specification
Discipline : Chemical					
Vitamins:					
1	Vitamin C	VEL/FC/STP-35, Issue No. 01, Issue Date, 01/11/2023	1252.69	mg/100g	-

NS-Not Specified

End of Report



Reviewed By



Authorized Signatory

Terms & Conditions

- The results reported relate only to the samples tested. In case sample is not drawn the results apply to the sample as received.
- This test report is full or in part, shall not be reproduced in any court of law without prior written approval of the laboratory.
- To confirm the authenticity of this certificate of analysis, please contact us through email at info@vardan.co.in
- Laboratory is not responsible for the authenticity of photocopied test report. The test samples will be retained only for specific period.
- The report no. with Suffix A-Awarded Report
- This test report will not be used for publicity or advertising or media purpose without prior written permission on the laboratory.
- Giving opinion does not imply endorsement of the tested sample by the lab. Under no circumstances, the lab accepts any liability caused by the use or misuse of the test report.

www.vardan.co.in

Customer Care: 8448981600, Ph: 0124-4343750, 9810355569, 9953147268 | E-mail: customercare@vardan.co.in

Apple Stem Cell (Malus Domestica)

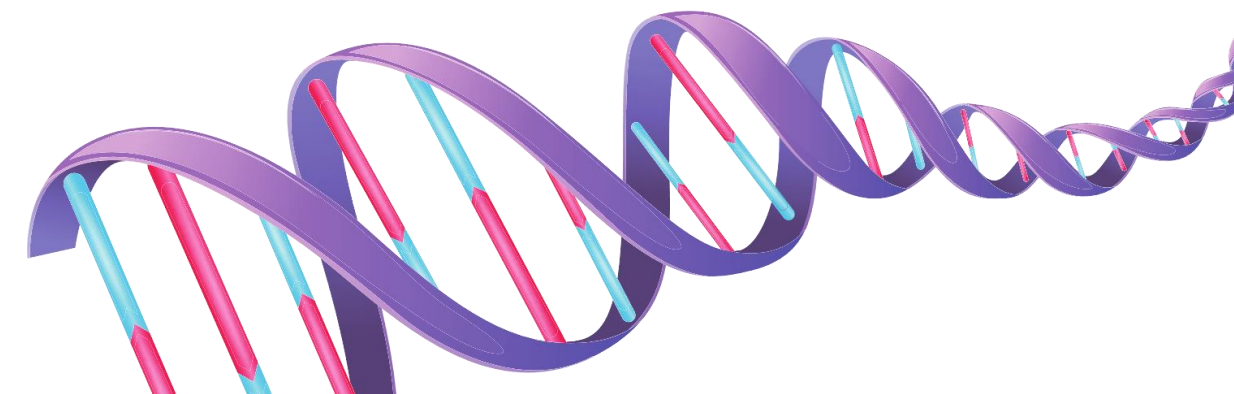
What is Apple Stem Cell?

- Patented Liposomal Formulation derived from Uttwiler Spätlauber, a unique Swiss apple variety.
- Developed through **PhytoCellTec™**, an innovative plant cell culture technology by scientist **Fred Julle (Mobilli Biochemistry)**.
- **Uttwiler Spätlauber Apple**: Renowned for its remarkable longevity and resistance to wrinkling during extended storage.



Benefits & Functions:

- **Contains master stem cells:** Unprogrammed, undifferentiated cells capable of transforming into specialized cells.
- **Reactivates human stem cells, aiding replacement of aged/dead cells (natural detoxification).**
- Repairs damaged tissues caused by oxidative stress and inflammation.
- Protects skin from UV rays, improves skin texture, and exhibits powerful anti-aging effects.
- Boosts memory and concentration.



Grape Seed (Solar Vitis)

What is Grape Seed (Solar Vitis)?

- Innovative plant cell culture formulation (PhytoCellTec™) derived from stem cells of the grape variety "Gamay Teinturier Freaux".
- Gamay Teinturier Freaux: Originally from Burgundy, France, this grape is exceptionally rich in powerful antioxidants (Tannins and Anthocyanins).

Benefits & Functions:

- **UV Protection:** Protects epidermal stem cells against UV stress, increasing skin's UV tolerance.
- **Anti-Aging:** Combats photoaging, promoting youthful, healthy skin.
- **Skin Improvement:** Enhances skin resistance, vitality, and overall skin health.

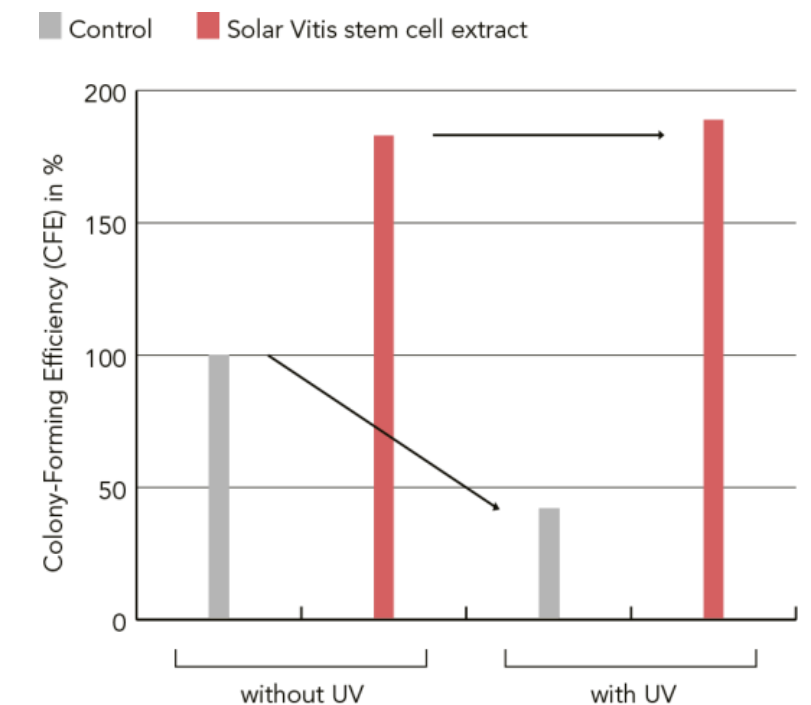


Grape Seed (Solar Vitis)

Solar Vitis developed using stem cells sourced from a grape variety known as '**Gamay Teinturier Fréaux**' using an innovative plant cell culture method called PhytoCellTec. This grape is originally from the Burgundy area of France and contains high levels of antioxidants such as tannins and anthocyanins.



- Protects skin stemcells against UV stress
- Increases the skin's UV tolerance
- Fights photo-aging
- For a vital and healthy – looking skin



SOD B® Melon Juice Concentrate

What is SOD B®?

- A dehydrated melon juice concentrate extracted from a Non-GMO exclusive cantaloupe melon variety, prepared through patented microencapsulation technology.
- 100% bioactive, gastro-protective, and protected against deterioration.



Why Melon Juice Concentrate?

- Contains exceptionally high levels of antioxidants (15,500 IU/gram SOD), representing 85-90% of its total antioxidant capacity.

Benefits & Functions:

- Powerful Antioxidants:
 - Primary: SOD, CAT, GPx
 - Secondary: Glutathione, CoQ10, Carotenoids (Vit A), Vitamins C & E
- Protects against oxidative stress, inflammation, and cancer.



SOD B® Melon Juice Concentrate

Benefits & Functions:

- Maintains balance between Oxidants (ROS) and NF-kB, preventing chronic inflammatory and autoimmune diseases (Arthritis, Psoriasis, SLE, IBD, COPD, Asthma, Diabetes, Cancer).
- Prevents fatty liver disease (NASH) by protecting the liver from oxidative stress and fat accumulation.
- Rich in Fibre, Potassium, Vitamin C, and Choline, promoting heart health and balanced blood pressure.
- Effective anti-inflammatory, preventing locomotive syndrome (Osteoarthritis, Osteoporosis, Sarcopenia).
- Enhances skin elasticity and texture, combating aging, collagen fibrosis, fat cell hypertrophy, and providing UV protection.

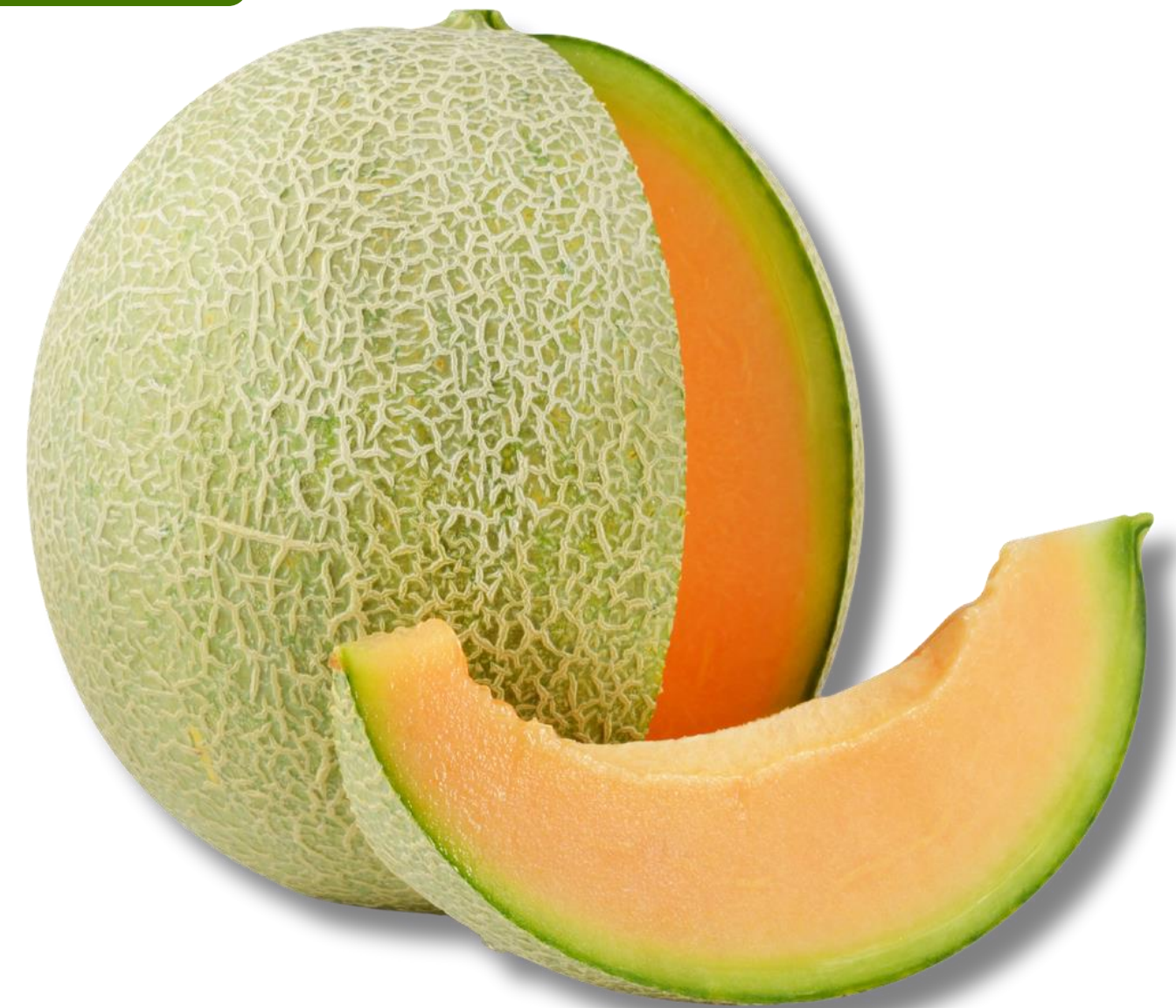


SOD B® Melon Juice Concentrate



SOD B® is a dehydrated melon juice concentrate that contains high levels of SOD, extracted from a non-GMO exclusive type of Cantaloupmelon.

- Uses patented microencapsulation technology
- 100% bioactive and shielded from deterioration
- Scientifically proven to enhance the body's internal antioxidant defensesystem



Anti-aging

Skin Beauty

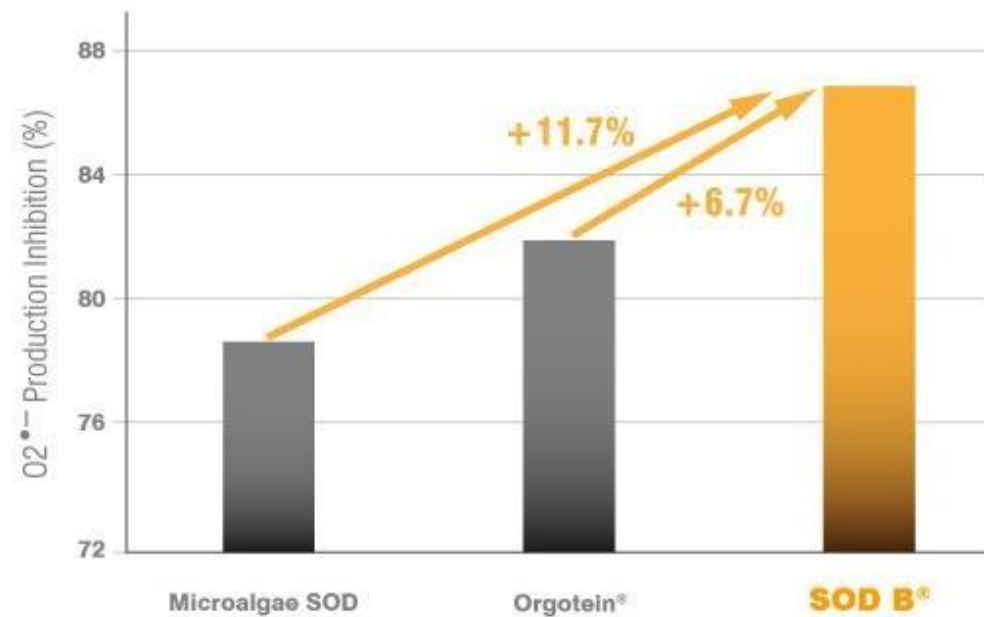
UV Protection

Acne Reduction

Stress Relief

Best SOD Sources

Best SOD source



At the same concentration, the antioxidant capacity of SOD B® is 6.7% and 11.7% more effective compared to bovine SOD and microalgae SOD, respectively.

COMBINATION OF PRIMARY & SECONDARY ANTIOXIDANTS

SOD makes up 85 to 90% of the overall antioxidant capacity of SOD B®. As a concentrated form, SOD B® includes secondary antioxidants like glutathione, carotenoids, such as CoQ10, and vitamins C and E.

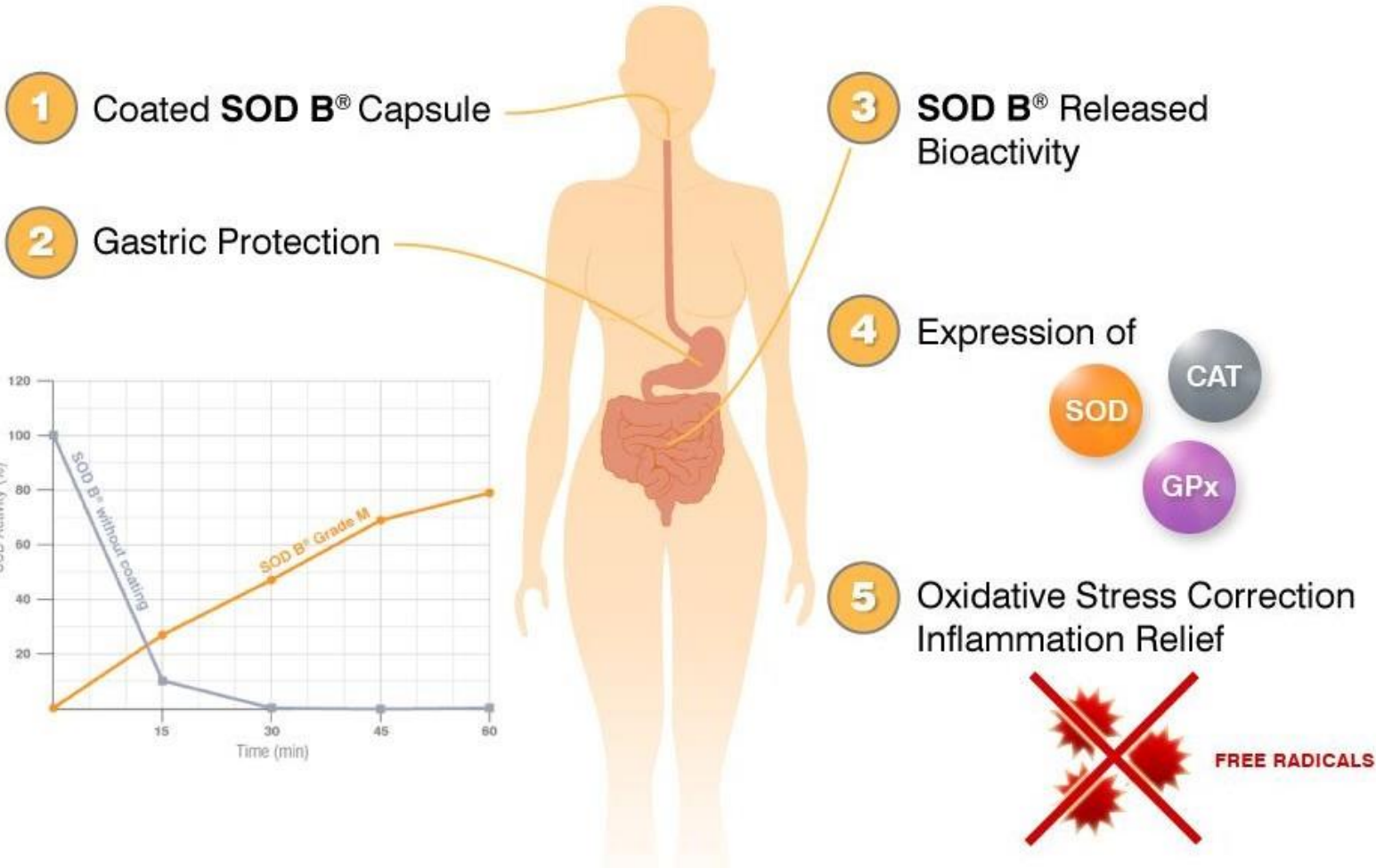


MECHANISM OF ACTION



STEP 1,2,3

SOD B® is released throughout the digestive system due to the protective coating that ensures gastric protection.



STEP 4

SODB® supplementation stimulates the production of the body's primary antioxidants -SOD, CAT, and GPx, which help protect against oxidative stress.

STEP 5

This enables the replenishment of critical primary antioxidants, leading to the resolution of oxidative stress and inflammation.

Resveratrol

What is Resveratrol?

- A potent polyphenolic compound naturally found in grapes, berries, and peanuts, known for its powerful antioxidant properties.
- Rich in strong antioxidants, effectively protects against oxidative stress.

Benefits & Functions:

- **Heart Health:** Relaxes blood vessels (increases Nitric Oxide production), lowers blood pressure. Increases HDL (good cholesterol) and prevents LDL (bad cholesterol) oxidation, reducing arterial plaque buildup.
- **Neurological Health:** Protects brain cells, reduces inflammation, and enhances cognitive function. Beneficial for conditions like Alzheimer's.
- **Diabetes Management:** Improves insulin sensitivity and prevents diabetes-related complications.
- **Cancer Prevention:** Inhibits growth, replication, and spread of cancer cells (Gastric, Colon, Skin, Breast, Prostate cancers).
- **Joint Health:** Reduces inflammation, prevents cartilage damage, and provides pain relief in arthritis.



Acai Berry Extract



What is Acai Berry Extract?

- A Brazilian "Super Fruit," native to the Amazon region, abundant in phytochemicals (Anthocyanins, Polyphenols) and essential fatty acids (Omega-3, Omega-6, Omega-9).
- Exceptionally high antioxidant content, effectively neutralizing free radicals.

Benefits & Functions:

- **Skin Protection:** Shields skin from UV rays, improves appearance, and provides potent anti-aging effects.
- **Anti-Cancer Properties:** Demonstrates potential protective effects against colon and bladder cancers.
- **Brain Health:** Protects nerves, enhances brain function, memory, and learning abilities.
- **Heart Health:** Contains sterols that block cholesterol absorption, supporting cardiovascular wellness.
- **Metabolic Benefits:** Reduces inflammation, promotes weight loss, and lowers blood sugar levels.
- **Immune Support:** Acts as a powerful immuno-booster, strengthening overall immunity.



Blackberry Extract



What is Blackberry Extract?

- Extracted from blackberries, a fruit abundant in powerful antioxidants (Anthocyanins, Flavonoids), Vitamins (C, K, Folate), Fibre, Potassium, and Manganese.
- Rich source of Anthocyanins, potent antioxidants that neutralize free radicals and protect cells from oxidative damage.



Benefits & Functions:

- **Anti-Inflammatory:** Inhibits pro-inflammatory pathways (NF-kB) and reduces inflammatory proteins, beneficial in Rheumatoid Arthritis & Inflammatory Bowel Disease (IBD).
- **Cardiovascular Health:** Prevents arterial plaque buildup (atherosclerosis), lowering risks of heart attack, stroke, peripheral vascular disease (PVD), and kidney disorders.
- **Digestive & Gut Health:** High fibre content enhances growth of beneficial gut bacteria, improves gut barrier function (prevents leaky gut), relieves constipation, and may reduce risk of Colon Cancer, Diverticulitis, Diabetes, and Heart Disease.
- **Neurological Benefits:** Enhances cognitive functions like speech, memory, attention, and protects against dementia.
- **Cell Protection & Growth:** Manganese helps protect brain cells from damage, aids blood clotting, supports bone growth, and assists reproduction.



Blueberry Extract



What is Blueberry Extract?

- Extracted from blueberries, a dark blue edible "Superfood" native to parts of North America, known for high antioxidant levels (Anthocyanins, Flavonoids, Vitamin C).
- Potent antioxidants reduce DNA oxidative damage, protecting against aging and cancer.



Benefits & Functions:

- **Cardiovascular Protection:** Prevents oxidative damage to LDL cholesterol ("bad cholesterol"), lowers blood pressure, and reduces the risk of heart disease.
- **Brain & Memory Enhancement:** Boosts memory, improves cognitive functions, and protects brain health.
- **Metabolic Health:** High in fibre, low in calories, supports weight management, helps burn belly fat, and enhances insulin sensitivity and glucose metabolism (Diabetes control).
- **Bone & Heart Health:** Rich in Vitamin K, essential for bone strength, heart health, and effective blood clotting.
- **Immune Support & Muscle Recovery:** Boosts the immune system, reduces risk of chronic diseases, and lessens muscle damage after strenuous exercise.



Cranberry Extract



What is Cranberry Extract?

- Cranberry extract is derived from cranberries, a fruit rich in antioxidants, particularly proanthocyanidins (PACs). It also contains vitamins A, C, E, B-complex, dietary fiber, and essential minerals.
- The extract also supports weight management, improves cholesterol levels, and contributes to gut and heart health.



Benefits & Functions:

- **Urinary Health:** Prevents and manages UTIs by stopping bacteria from sticking to the urinary tract
- **Weight Management:** May help reduce Body Mass Index (BMI), support weight loss, and improve obesity-related conditions
- **Diabetes Management:** Helps control blood sugar levels
- **Cardiovascular Health:** Improves HDL (good) cholesterol, reducing the risk of heart disease
- **Gut & Digestive Health:** High fiber content promotes better digestion and gut health
- **Cancer Prevention:** Slows the progression of cancer cells
- **Oral Health:** Vitamins C and B-complex enhance gum and dental health



Strawberry Extract



What is Strawberry Extract?

- Strawberry extract is derived from strawberries, a nutrient-rich fruit from France. It contains powerful antioxidants such as flavonoids and ellagic acid, along with vitamin C, anti-inflammatory compounds, dietary fiber, and potassium.
- Strawberries are rich in antioxidants that support cognitive and eye health, and help prevent cancer.

Benefits & Functions:

- **Cognitive & Eye Health:** Flavonoids and ellagic acid may help prevent age-related memory loss (like Alzheimer's) and support vision
- **Weight Management:** Boosts fat-burning hormones (adiponectin and leptin) and suppresses appetite
- **Diabetes Support:** Low glycemic index (GI 40), slows glucose absorption, and helps manage type 2 diabetes
- **Heart Health:** Reduces total cholesterol, LDL (bad) cholesterol, triglycerides, and helps lower blood pressure
- **Digestive Health:** High fiber supports digestion and promotes healthy gut bacteria
- **Brain Function:** Potassium increases blood flow to the brain, enhancing cognitive function



Astaxanthin

What is Astaxanthin?

- Astaxanthin is a naturally occurring carotenoid pigment found in marine organisms such as algae, shrimp, and salmon, recognized for its potent antioxidant and anti-inflammatory properties.
- Provides exceptional protection against UV-induced skin damage, oxidative stress, and inflammation, promoting overall health and longevity.



Benefits & Functions:

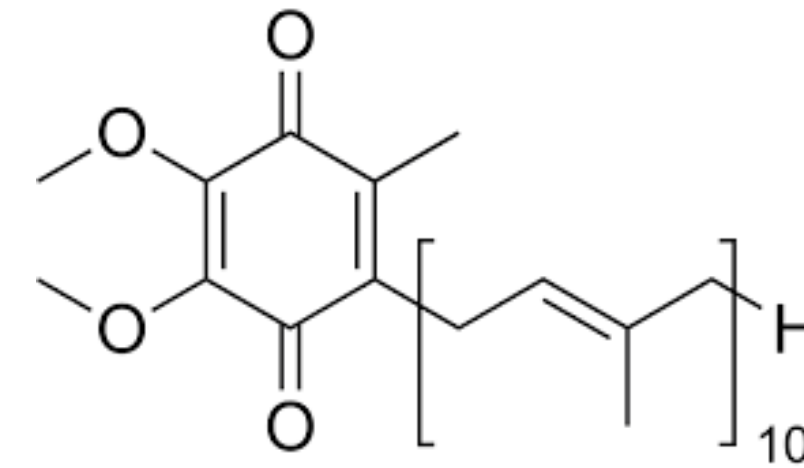
- **Skin Health:** Enhances skin elasticity, texture, reduces collagen degradation, and promotes youthful complexion.
- **UV Protection:** Protects skin from UV-induced oxidative damage and inflammation.
- **Anti-Aging:** Counters free radicals responsible for aging and degenerative diseases by preventing oxidation of DNA, proteins, and lipids.
- **Metabolic Health:** Reduces oxidative stress from hyperglycemia, protects pancreatic beta cells, and improves insulin sensitivity (Diabetes control).
- **Cancer Prevention:** Decreases mutagenesis and carcinogenesis by inhibiting oxidative cellular damage.
- **Gastro Protection:** Provides protective effects against gastric ulcers.
- **Eye & Kidney Health:** Helps reduce ocular inflammation and supports kidney health in diabetic nephropathy.



Co-enzyme Q10

What is Co-enzyme Q10?

- Co-enzyme Q10 is a vital compound found in mitochondria of all cells, essential for cellular energy production.
- Acts as a powerful antioxidant, combats oxidative stress from free radicals, replenishes cellular energy, and shields skin from visible signs of aging.



Benefits & Functions:

- **Skin Health:** Enhances collagen synthesis, reduces wrinkles, and protects skin from aging.
- **Cellular Energy:** Boosts mitochondrial energy production, improving vitality and cell function.
- **Disease Prevention:** Low levels linked to degenerative diseases including cancer, diabetes, COPD, asthma, migraine, cognitive disorders, Alzheimer's, and Parkinsonism.
- **Heart Health:** Increases energy levels in heart muscle cells, reduces blood pressure, and aids in managing heart failure.
- **Fertility Enhancement:** Protects eggs from oxidative damage, improving quality and quantity in aged infertile women; enhances sperm activity and concentration in males.



Chlorella

What is Chlorella?

- Chlorella is a nutrient-rich green algae (seaweed) native to Japan and Taiwan, containing essential proteins, vitamins, minerals, fiber, chlorophyll, and antioxidants. Available commercially in pills, powders, and extracts.
- Boosts immunity, detoxifies the body, and supports overall health through its nutrient-dense composition and powerful antioxidant properties.



Benefits & Functions:

- **Immune Boost:** Enhances natural killer cell activity and antibodies, inhibits cancer cells through apoptosis, and prevents tumor metastasis.
- **Heart Protection:** Rich in potassium, arginine, and omega-3 fatty acids, reduces total and LDL cholesterol, protecting arterial and heart health.
- **Blood Sugar Regulation:** Contains magnesium, which improves blood sugar control and activates genes promoting insulin sensitivity.
- **Weight Management:** Supports weight loss and helps relieve hunger.
- **Eye & Women's Health:** Beneficial for eye health and alleviating premenstrual syndrome (PMS).
- **Chemotherapy Support:** Offers supportive health benefits during chemotherapy treatments.



Omega 369

What is Omega 369?

- Omega 369 includes essential fatty acids vital for overall health. Omega 3 (EPA & DHA) and Omega 6 are polyunsaturated fatty acids (PUFAs) obtained primarily from fish, algae, vegetable oils, nuts, and seeds, while Omega 9 is a monounsaturated fatty acid produced naturally by the body.



Benefits & Functions:

- **Cardiovascular Health:** Omega 3 improves cardiovascular function, reduces inflammation, manages peripheral vascular disease (PVD), decreases coronary artery events, and improves antiplatelet response.
- **Brain & Eye Health:** DHA, abundant in brain and retina, supports cognitive function, particularly beneficial in Alzheimer's disease.
- **Pregnancy & Infant Development:** EPA & DHA are critical for fetal development, healthy aging, and reducing allergies in infants by modulating immune responses.
- **Anti-inflammatory:** Omega 3 & 9 fight inflammation, reduce liver fat, and contribute to managing chronic inflammatory conditions.
- **Energy Production:** Omega 6 provides energy to the body from dietary sources like vegetable oils, nuts, and seeds.



Barley Grass Extract



What is Barley Grass Extract?

- A young, green cereal grass harvested from *Hordeum vulgare* (barley) before maturity.
- Sourced from France, it is gluten-free and rich in essential nutrients and bioactives such as antioxidants, chlorophyll, proteins, vitamins, and minerals.

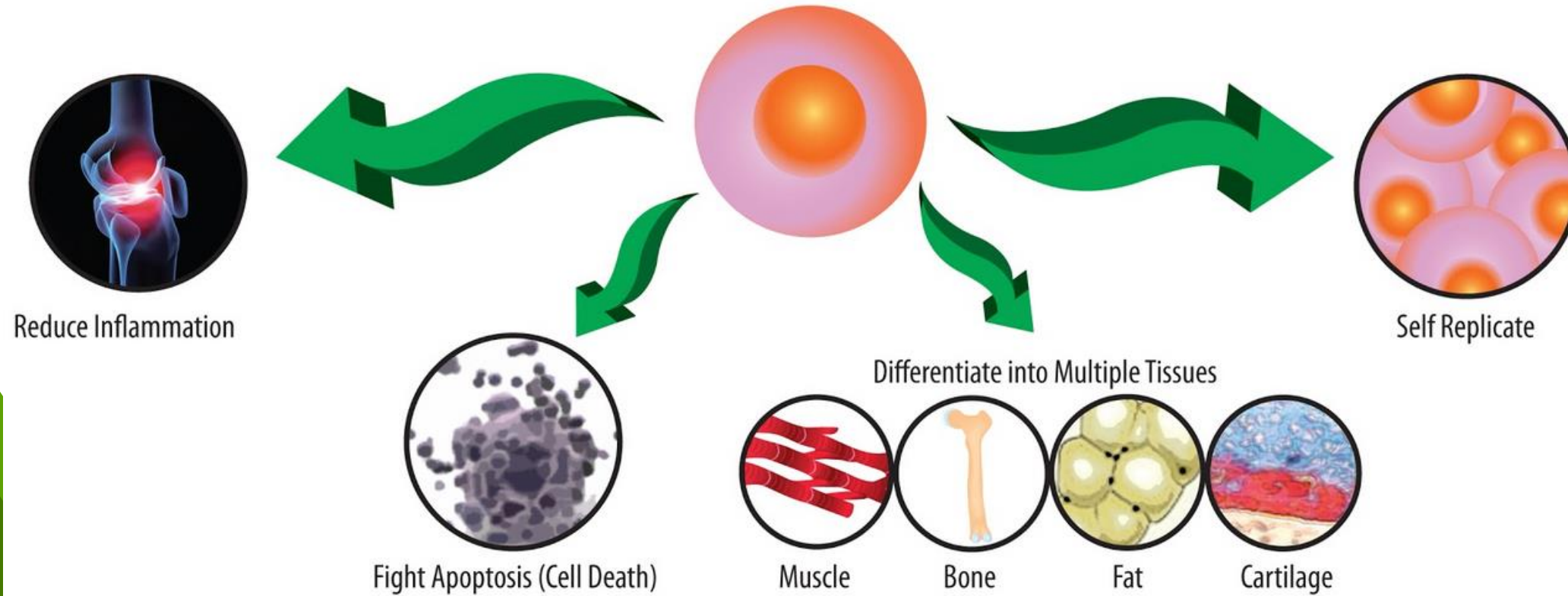
Benefits & Functions:

- **Digestive Health:** Insoluble fiber helps cleanse the intestines, remove toxins, and support a healthy gut microbiome. Beneficial for conditions like ulcerative colitis.
- **Cardiovascular Health:** Helps reduce LDL (bad cholesterol) oxidation and inflammation, supporting heart function and vascular health.
- **Blood Sugar Support:** May help regulate blood glucose levels and improve insulin sensitivity.
- **Weight Management:** Low in calories and high in fiber, promoting satiety and supporting healthy weight control.
- **Immune Support:** Strengthens the immune system by promoting antibody production and defending against bacterial and viral infections.
- **Detoxification & Alkalinity:** Chlorophyll acts as a natural detoxifier and alkalizer, supporting blood purification and pH balance.

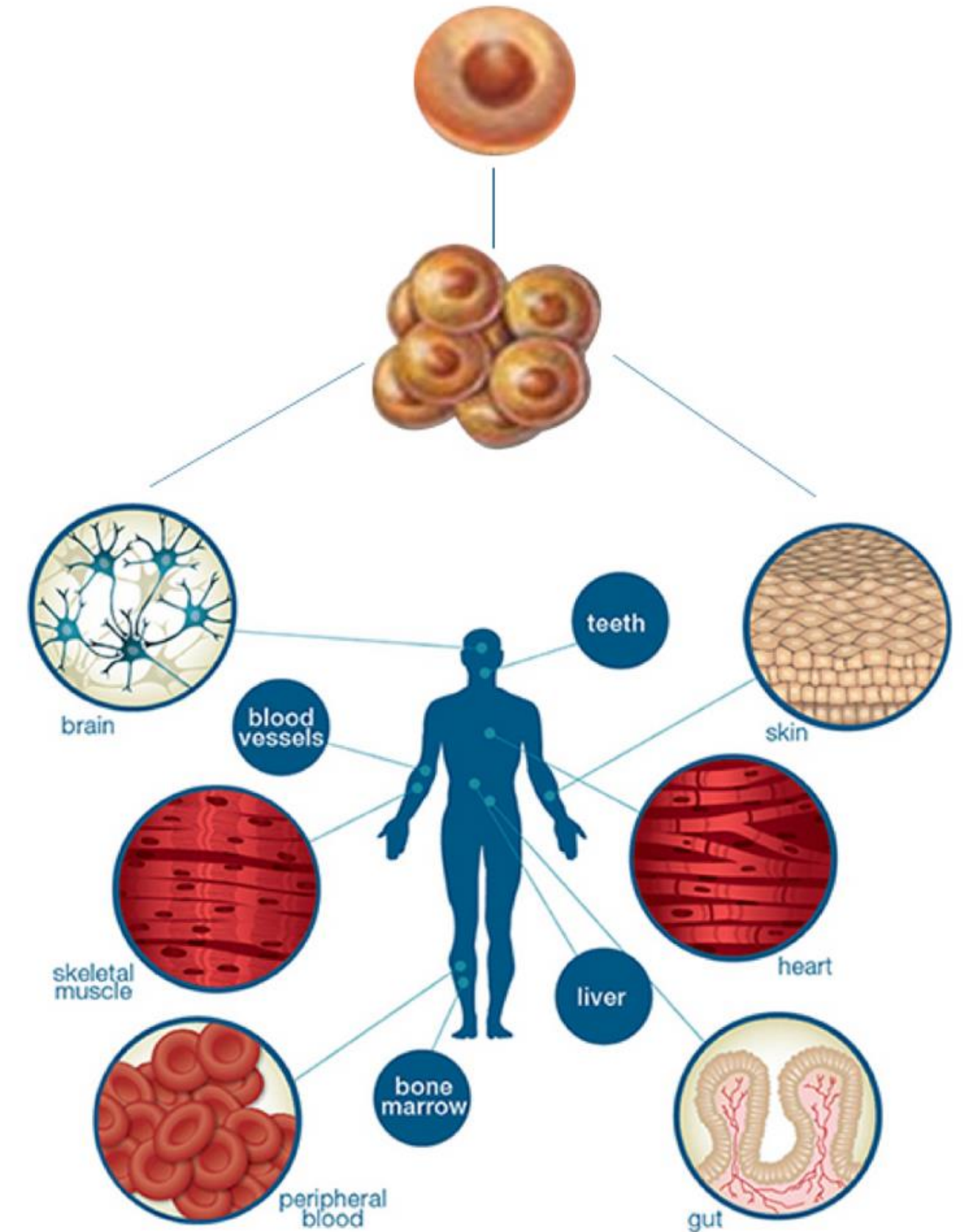


What is stem cell ?

A mesenchymal stem cell is a primitive cell with the ability to:



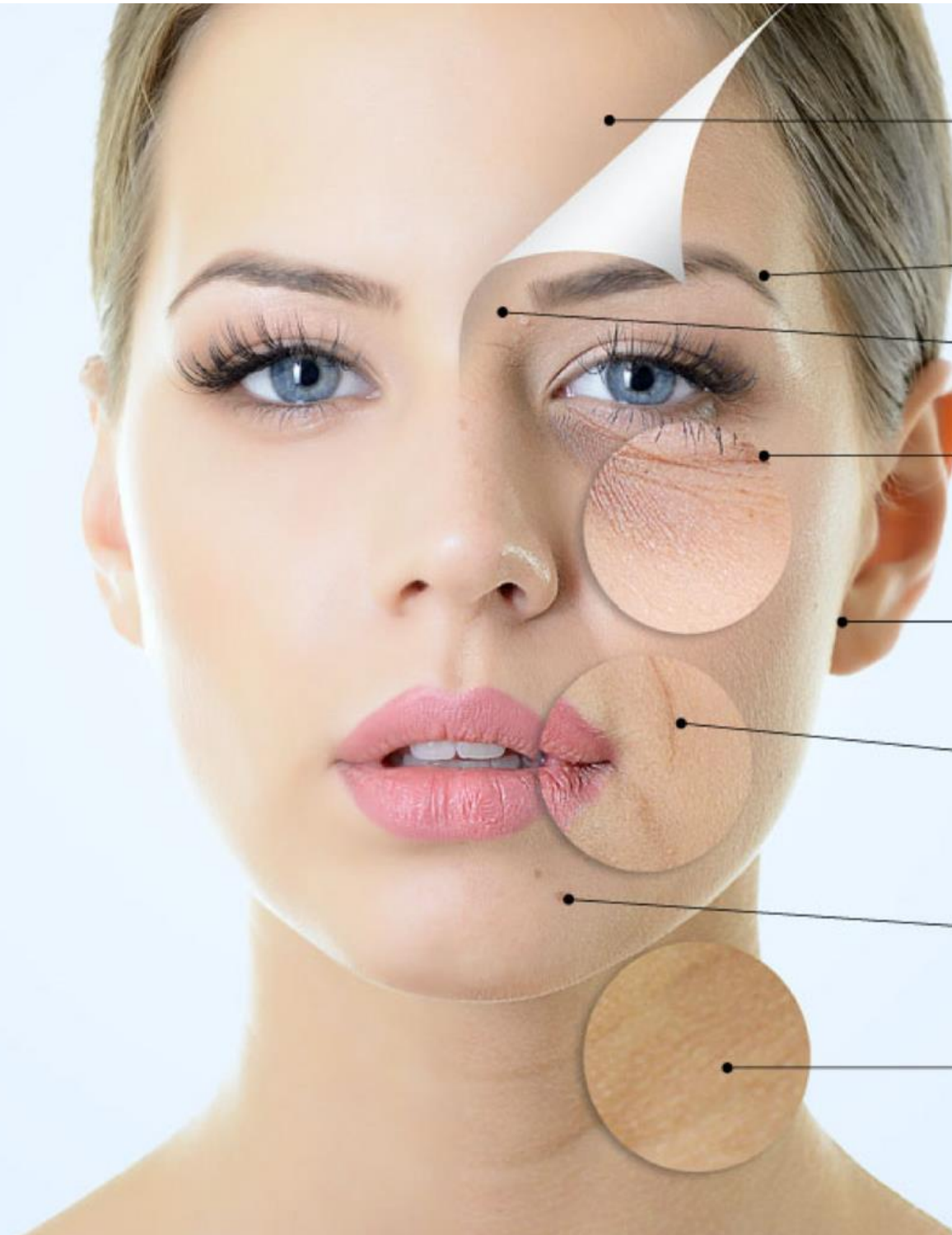
Stem cells are unprogrammed cells that can differentiate into cells with specific functions.



Product By Nature4ever

Face and skin rejuvenation

With stem cell
therapy



Lifts forehead creases

Tightens eyebrows

Reduces frown lines

Lightens fine lines

Lifts and firms jowl area

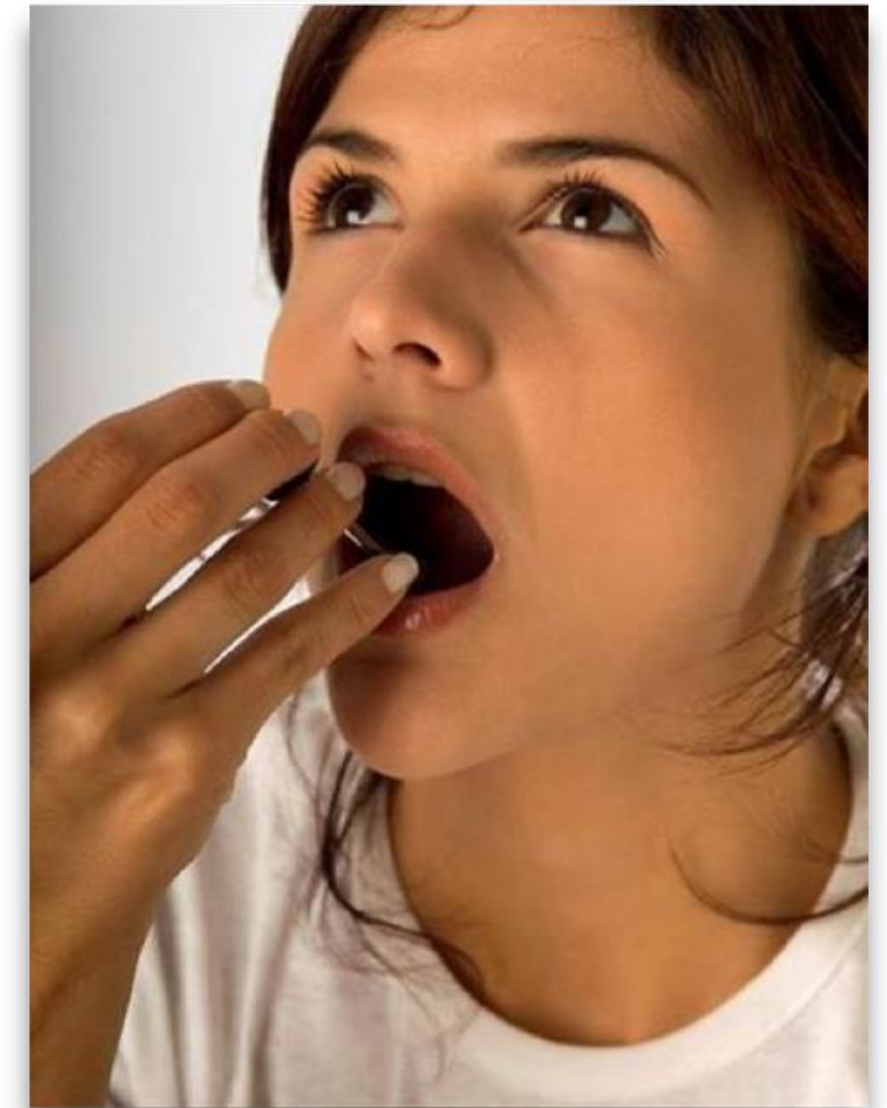
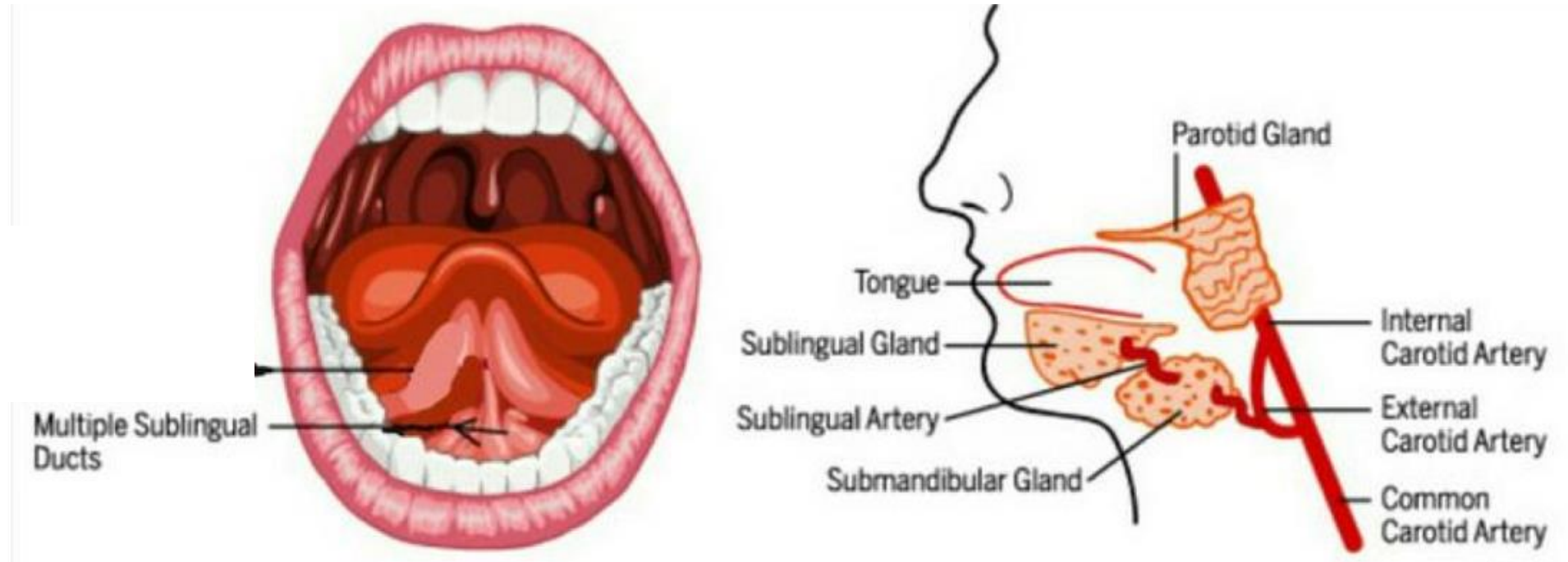
Lightens smile lines and
reduces nasolabial folds

Removes dark spots

Improves neck wrinkles

How to Consume Biocellix

Instructions:-Get a sachet of Phytocell open and the powder put under the tongue wait 2 to 3 minutes for let them absorb and drink more water after consuming



WHY SUBLINGUAL?

Rapid absorption
Avoid first-pass effect
Faster and more effective

Usage recommendation

Morning-1 sachet-dissolve under the tongue







Evening-1 sachet- dissolve under the tongue

[works best when you take it while your stomach is empty Drink plenty of water]

Glycemic Index

GI Classification and Glycemic Load (GL):

- Multiplying GI by the amount of carbohydrate consumed gives the Glycemic Load (GL).
- Accordingly, foods are classified as:
 - 1.Low GI (below 55):** Brown rice, steel-cut oats, legumes (such as lentils and chickpeas), most fruits (like apples, berries, and oranges), vegetables, nuts, and seeds.
 - 2.Medium GI (56-69):** Whole wheat products, such as whole wheat bread and pasta, some types of rice (like basmati rice), and certain fruits like pineapple and mango.
 - 3.High GI (70 or above):** Refined carbohydrates and sugary foods such as white rice, white bread, refined flour products, potatoes, sweetened drinks (like soda), candies, cookies, and sugary snacks.

					
Apple	Grapes	Blueberry	Melon	Acciberry	Strawberry
G I index - 39	G I index - 43	G I index - 53	G I index - 65	G I index - 0	G I index - 41

A serving size of 100g

Product By Nature4ever

+ Health benefits

Promote shooting effect.

Increases the skin's UV tolerance, protects skin stem cells against UV stress, fights photo-aging, and makes the skin look healthy. Anti-inflammatory properties.

Slow down the skin aging process.

Reduce fine lines & and wrinkles.

Renew skin cells and improve skin health.

Helps stabilize collagen and maintain skin elasticity.

Improve sleep satisfaction, and sleep quality and alleviate insomnia.

Natural diuretic effect, kidney detoxification, and healthy function.

Lowering LDL cholesterol levels.

Boost healthy weight loss and natural fat burner.

Contains prebiotics and helps in digestion.

Maintain a healthy balance of insulin and blood glucose.

Increase body metabolism and blood circulation.

Support regeneration of Liver cells and detoxify the liver.

Improve Eye health. Best for the all over health.



+ Discretion

Stem cells are “the master cells” that naturally maintain and repair the tissue. The normal aging process causes adult stem cells to decrease in number. Maintaining and promoting the health and growth of stem cells optimizes health and wellness. This formula is designed to promote the growth and health of stem cells, encouraging cell renewal. Unique extract blends have been added to protect the cells from the harmful effects of free radicals and help support the proliferation of stem cells.

+ Functions

Cell renewal, repair, and rejuvenation.

Slow tremendous potential to repair damaged tissues.

Divide offspring rapidly that supply new cells to replace skin cells that are lost or dying stimulating human stem cell proliferation.

Improve skin cell regeneration efficiency.

+ Direction for use

Tear one sachet and pour the contents under the tongue. Wait until it fully dissolved. Consume one sachet per day preferably on an empty stomach. Drink plenty of water to ensure adequate hydration.

+ Precautionary measure

This product is not intended to "diagnose, treat, cure or prevent any disease". This product is not for medical use.

This is a food supplement product.

Oxidative Stress and Degenerative Diseases

Oxidative Stress & Free Radicals

- **Oxidative Stress:** Continuous attack by free radicals causing cellular damage.
- **Free Radicals:** Unstable molecules with an unpaired electron; damage DNA, lipids, proteins, and carbohydrates.

Sources of Free Radicals:

- **External Factors:** Junk food, pollutants, radiation, ozone, carcinogens, drugs, pesticides, strenuous exercise.
- **Internal Factors:** Degeneration of cells (inflammatory cells, endothelial cells, macrophages, fibroblasts).

Antioxidant Defense Mechanism

Damages inner endothelial cells (bioactive molecules), causing **degenerative diseases**: Cancer, Type 2 Diabetes, Atherosclerosis, Neurodegenerative diseases, Asthma, Arthritis, Psoriasis, Eczema, Aging, and other inflammatory conditions.

Antioxidant Defense Mechanism

Neutralize or Counter Free Radicals:

- **Primary Antioxidants (Enzymatic):** Superoxide dismutase (SOD), Catalase, Glutathione peroxidase, Alpha-lipoic acid, CoQ10. One molecule neutralizes millions of free radicals.
- **Secondary Antioxidants (Non-Enzymatic):** Resveratrol, Carotenoids, Astaxanthin, Vitamin C & E, Selenium, Cobalt, Zinc, Manganese, CoQ10, Glutathione. One molecule neutralizes one free radical.
- **Antioxidant defense decreases with age.**

Solution: BIOCELLIX STEM CELLS

- Research-based, clinically proven bioactive compound.
- Extracted using Nanotechnology.

What are Free Radicals?

- **Definition:** Molecules containing an unpaired electron, highly reactive, capable of damaging DNA, lipids, proteins, carbohydrates, and other biological structures.
- **Continuously produced in the body (Oxidative Stress):**

Nutrition + Water + O₂ → Energy (ATP) + CO₂ + Free Radicals

Sources of Free Radicals:

- **External:** Junk food, pollutants, radiation, ozone depletion, carcinogens, drugs, pesticides, strenuous exercise.
- **Internal:** Degenerating cells (Inflammatory cells, endothelial cells, macrophages, fibroblasts).



Website:



nature4ever.com

What are Antioxidants?

- Compounds inhibiting oxidation (auto-oxidation) reactions that produce free radicals.
- **Neutralize harmful effects of free radicals.**

Types of Antioxidants:

- Primary (Enzymatic): Superoxide dismutase (SOD), Glutathione peroxidase (GPx1), Monothiol (Bacilli thiol), CoQ10. **Efficiency: 1 antioxidant molecule neutralizes millions of free radicals.**
- Secondary (Non-Enzymatic): Resveratrol, Carotenoids (Vit A), Astaxanthin, Vitamins C & E, Selenium, Cobalt, Zinc, Manganese. **Efficiency: 1 antioxidant molecule neutralizes only 1 free radical.**
- Natural antioxidant defense declines with age.

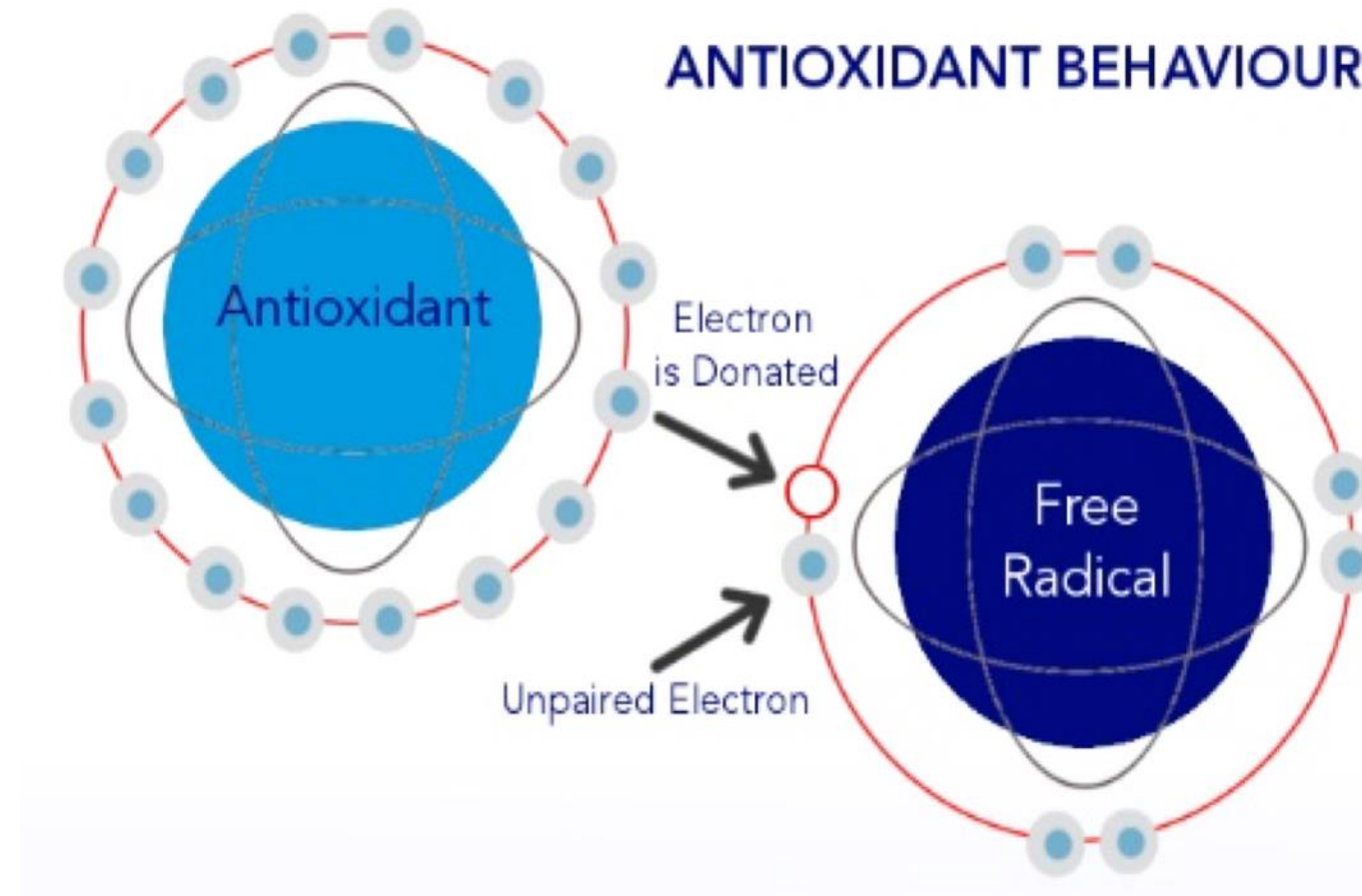
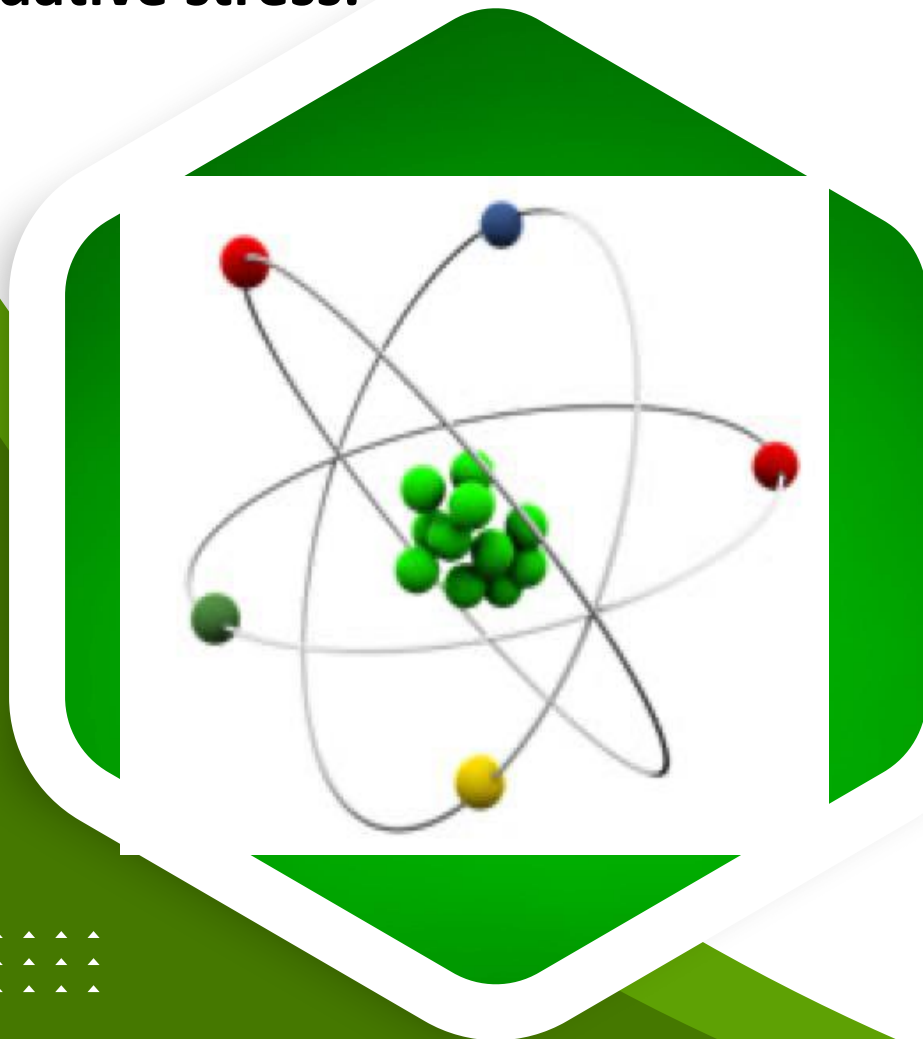


IMPACT OF ANTIOXIDANT-FREE RADICAL IMBALANCE

Damages inner endothelial cells (bioactive molecules), contributing to degenerative diseases: Cancer, Type 2 Diabetes, Atherosclerosis, Asthma, Arthritis, Psoriasis, Eczema, Neurodegenerative Diseases, Accelerated Aging, and Inflammatory Conditions.

Antioxidants Behavior

Antioxidants are compounds that inhibit oxidation (usually occurring as autoxidation), a chemical reaction that can produce free radicals. Autoxidation leads to the degradation of organic compounds, including living matter. Antioxidants are frequently added to industrial products, such as polymers, fuels, and lubricants, to extend their useable lifetimes. Food is also treated with antioxidants to forestall spoilage, in particular the rancidification of oils and fats. In cells, antioxidants such as glutathione, monothiol, or bacilli thiol, and enzyme systems like superoxide dismutase, can prevent damage from oxidative stress.



Most Powerful Supplement for Overall Wellbeing

- **Premium Antioxidant Supplement** with high ORAC value.
- **Anti-aging properties** – rejuvenates the body, energizes, reduces fatigue, and improves appetite.
- Quickly and easily absorbed (**High Bioavailability**).
- Made from **100% Natural Botanical & Organic ingredients**.
- **No synthetic additives**.
- Targets and neutralizes abnormal cells **without harming healthy cells**.
- Offers **advanced antioxidant protection** through SOD, regulating excess heat, preventing hair loss, dryness, and environmental/radiation-induced side effects.
- Provides **wide-spectrum support** from head to toe.
- Promotes faster healing of **chronic illnesses**.
- Acts as a **Natural Detoxifier**, gently flushing toxins and waste from the body.



Understanding Causes for Low Quality of Life & Illness



► External Factors

ooo

- Environmental pollution
- Harsh radiation (UV and Ionizing)
- Pathogens (viruses, bacteria, parasites)
- Exposure to harmful chemicals

► Internal Factors

ooo

- Stress (physical and mental)
- Psychological factors
- Genetic and idiopathic causes
- Consumption of alcohol, tobacco, and drugs
- Obesity
- Unhealthy diet and lifestyle
- Lack of exercise
- Poor exposure to sunlight

**Impact
on Health**

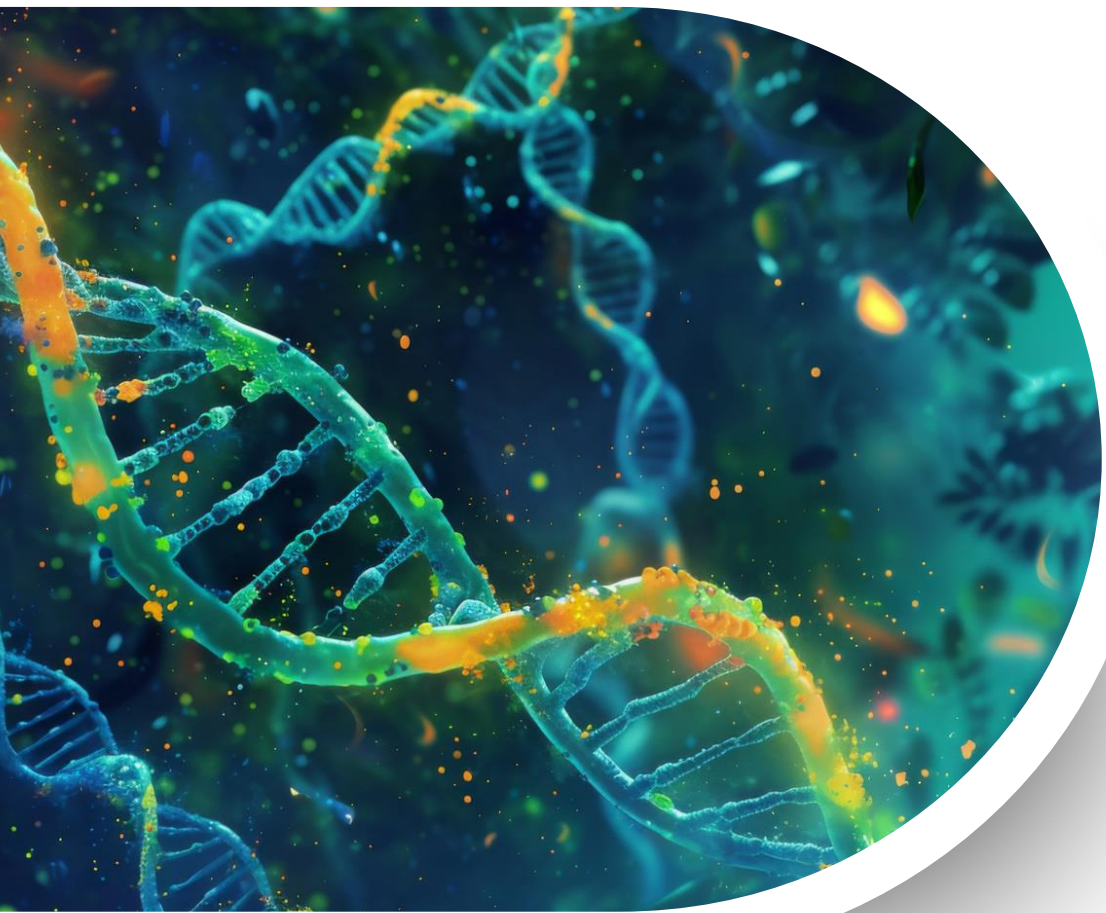
70%

Chronic ailments & inborn diseases

30%

Infectious diseases & emergencies

How Biocellix Works for Overall Wellbeing



Problem	Biocellix Solution
Internal & External Factors: DNA damage and oxidative stress.	High ORAC Constituents (Potent Antioxidants)
Dehydration of cells affecting cellular functions.	SOD (Advanced Antioxidants)
Cellular Oxidation, Inflammation & Damage at the cellular level.	PhytoCellTec™ (Switzerland) – protects and repairs cells
Diseases & Aging: Visible signs like wrinkles, diseases due to oxidative damage.	Phyto Ceramides & Gamma Oryzanol for rejuvenation

Result:

Improved health, rejuvenation, and comprehensive overall wellbeing.

Scientific Reports

Stimulation of stem cells for real rejuvenation

Dr. Daniel Schmid, Dr. Cornelia Schürch, Dr. Fred Züllig

Mibelle Biochemistry, Switzerland

August 2008

Abstract

In contrast to embryonic stem cells, adult stem cells persist for the whole life. They are indispensable to the maintenance and repair of tissues. Some few stem cells in the basal layer of the epidermis produce all the other keratinocytes that differentiate to the stratum corneum and are renewed every four weeks. In older skin, the epidermal stem cells are less active and lower in number leading to wrinkles and an increased renewal time of the epidermis. Plants too have stem cells. After isolation, they can be cultured in liquid media. PhytoCellTec™ Malus Domestica, a preparation of apple stem cells, was found to stimulate the proliferation of human blood stem cells and to increase the lifespan of skin fibroblast cells and of isolated hair follicles. In a clinical trial over 4 weeks with 20 subjects, this new ingredient was found to reduce significantly wrinkles in the crow's feet area.

What are Stem Cells?

Stem cells are unprogrammed cells that can differentiate into cells with specific functions. Stem cells have therefore a big potential in regenerative medicine. Regenerative therapies are used to stimulate healing and might be used in the future to treat Parkinson's, Alzheimer's or diabetes. Regenerative medicine will result in an extended healthy life span. Stem cell research is now a fascinating, hot topic that is already used in cosmetics. Amatoxin, a face care product line of Voss Laboratories, is claimed to stimulate the stem cells in the skin. And Dior's Capture R60/80 XP range are anti-wrinkle products whose mechanism of action is based on protection of the life force of stem cells.

So what exactly are stem cells? The main principles that define stem cell populations include: (I) the capacity to replenish themselves through self-renewal and (II) the ability to generate differentiated cells. There are two types of stem cells in animals and humans: embryonic stem cells and adult stem cells. Embryonic stem cells are pluripotent and thus can differentiate into all cell types of the body. The role of adult stem cells is to maintain and repair tissues. They are more restricted and normally able to differentiate only into the different cell types of the tissue in which they are found. But there exist also adult stem cells with a pluripotent differentiation potential. They are the focus of the newest research because there are no ethical concerns with adult stem cells.

Each cell, whether stem cell or differentiated cell, has the same DNA, meaning the same genes. So what makes a stem cell a stem cell? Their characteristics depend on signals from the microenvironment, i.e.

from the neighbouring cells that form a kind of niche. But principally there are signals inside the cell that control their fate. These signals are called epigenetic signals. In brief, these are tags on the DNA or the surrounding histone proteins that regulate the switching on or off of genes.

The Role of Stem Cells in the Skin

The skin is actually the largest organ in the human body. It is covered by the epidermis, a stratified epithelium. The epidermis comprises the interfollicular epidermis, the hair follicles and the sebaceous glands. Because the terminally differentiated cells in the epidermis are shed from the skin, there must be a continuous delivery of newly differentiating cells. This shows the importance of stem cells in the skin. There is strong evidence that the hair bulge forms a reservoir of epidermal stem cells. (Fig. 1).

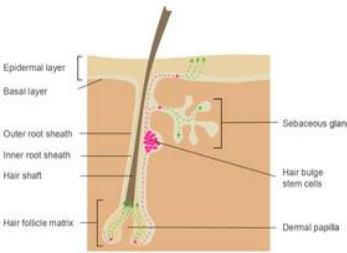


Figure 1: The hair bulge contains multipotent stem cells that contribute to the lineages of the epidermis, the sebaceous gland and the hair follicle

From there, stem cells periodically migrate to the matrix of the hair follicle, the sebaceous gland and the basal layer in the interfollicular epidermis (shown with dashed pink lines) to produce progenitors that differentiate into hair cells, gland cells or cells of the upper epidermal layers respectively (shown with dashed green lines) (1).

The basal layer of the epidermis contains two different types of cell populations (Fig. 2): (I) the slowly dividing epidermal stem cells and (II) their progeny that are rapidly dividing cells in order to supply new cells to replace those that get lost by desquamation. After a limited number of divisions, they detach from the basement membrane and start the differentiation program leading finally to stratum corneum cells. Newest studies showed that the stem cells might comprise 2 – 7% of the basal layer cells. The fact that the self-renewal of the epidermal stem cell is slow is important, because they die after a certain number of divisions and because each division bears the risk of lethal DNA mutations. And loss of stem cells is by far more detrimental for the tissue than when we lose differentiated cells. Hair graying for example could be shown to result from the fact that the melanocyte stem cells in the hair follicle have died off (2).

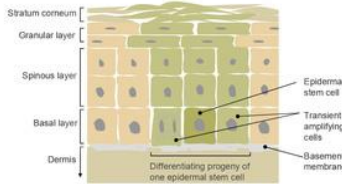


Figure 2: Epidermal stem cell generates transient amplifying cells that differentiate to form the stratified layers

Plant Stem Cells and their Propagation in Culture

Plants also have stem cells. Two populations of stem cells, one comprising the shoot apical meristem and the other the root apical meristem, give rise to the plant body. The maintenance of stem cells in plants is also dependent upon signals from the microenvironment and on similar epigenetic control as in mammalian stem cells (3). Unlike humans, adult plants contain totipotent stem cells with the potential to regenerate a whole plant. The plant tissue culture technique is based on propagation of plant stem cells either to produce a whole plant, only tissue or just single cells in culture to harvest plant metabolites. This practice allows the production of plant material under sterile and standardized conditions independent of season and other environmental restraints. Plant tissue cultures can be initiated from nearly all plant tissues. The tissue material which is obtained from the plant to culture is called an explant. As a kind of wound reaction, new cells are formed on

the cut surfaces of the explant. The cells slowly divide to form a colorless cell mass which is called callus. These cells have dedifferentiated into cells that lack the distinctive features of normal plant cells. Callus cells are stem cells comparable to those in the meristem regions. For high yield production callus cells can be cultured as individual cells or small cell clusters in a liquid culture.

Apple Stem Cells of Cultivar with Excellent Storage Properties

A fresh apple is a symbol for beautiful skin. Apples with very good storage properties stay fresh over months. These apples must have especially long-living tissue stem cells. Could we profit from these stem cells? What would be the effect of an extract of such long-living stem cells on the skin? But the commercially available apples are not suited for long storage. They are selected for intensive cultivation and for a pleasant sweet flavor. In former times, good storage properties were an important factor for cultivar selection. Some of these old cultivars survived as isolated trees in areas with less intensive agriculture. The Uttwiler Spätlauber is an apple tree that was cultivated especially because of its good storage properties (Fig. 3).



Figure 3: Isolated Uttwiler Spätlauber tree found in the Zimmerberg region at the lake of Zürich

The Spätlauber variety derives from a seedling that was planted in the middle of the 18th century. There are still some Uttwiler Spätlauber trees left in certain areas in Switzerland. The apples of one of these trees were used to obtain tissue explants in order to initiate a plant cell culture. A successful liquid culture in bioreactors of Uttwiler Spätlauber stem cells could be established. An extract of these cells was tested in a series of studies for anti-aging efficacy in skin and hair.

Materials and Methods

Plant cell cultures

Apples of the Uttwiler Spätlauber variety were used for selection of suitable plant material. Callus induction and sub-cultivation was carried out according to standard protocols.

Incorporation of the dedifferentiated cells in an appropriate liquid media, homogenisation of the cells in suspension and continuous characterisation of the cell suspension was also carried out according to standard procedures. For up-scaling, 10% of the next larger culture volume of a fully grown cell suspension was used as inoculum. Production of biomass was done in 50 to 100 l cultures with a special bioreactor-system (Wave-Biotech AG, Tagelswangen, Switzerland). Cultivation was done at 25°C and an aeration of 0.1 vvm. Biomass production was monitored by analysis of total sugar concentration, conductivity, pH-value and optical density. Production of secondary metabolites was followed by HPLC and UV/VIS analysis.

The extract of Uttwiler Spätlauber stem cells was obtained after lysis of the plant cells using high pressure homogenisation. For preparation of PhytoCellTec™ Malus Domestica, the extract was incorporated into lecithin liposomes. The composition of PhytoCellTec™ Malus Domestica is the following (INCI): Malus Domestica Fruit Cell Culture, Xanthan Gum, Glycerin, Lecithin, Phenoxyethanol and Aqua.

Results and Discussions

Protection of Human Stem Cells

Stem cells from umbilical cord blood represent an ethically correct source of human stem cells. An extract of Uttwiler Spätlauber stem cells was tested on cell viability of umbilical cord blood stem cells in two different studies. First, the effect of the extract on the proliferative activity of the human stem cells was analyzed. There was a clear, concentration-dependent effect found (Fig. 4). At only 0.1%, the extract stimulated cell proliferation by 80%. In a second experiment, the stem cells were stressed through irradiation with UV light.

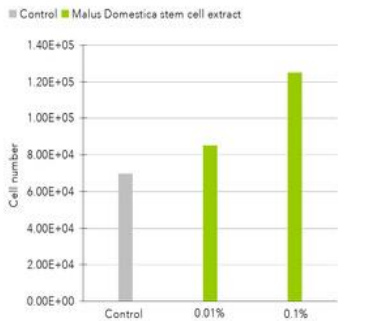


Figure 4: Effect of Uttwiler Spätlauber stem cell extract on viability of umbilical cord blood stem cells

Almost 50% of the cells that were cultured in the growth medium alone died, whereas cells cultured in presence of an extract of Uttwiler Spätlauber experienced only a small loss of viability (Fig. 5).

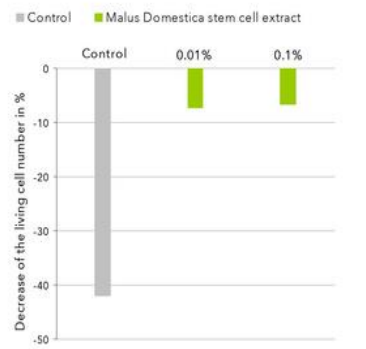


Figure 5: Uttwiler Spätlauber stem cell extract protects umbilical cord blood stem cells against UV light

Reversion of Senescence Signs in Fibroblast Cells

Senescence is a natural process that, after about 50 divisions, stops the capacity of the cell to undergo further divisions. But senescence can also happen earlier in a cell's life, for example as response to damage to the cellular DNA. Premature senescence is especially detrimental when it hits stem cells because they are indispensable for tissue regeneration. Recently a cellular model for premature senescence was established based on fibroblast cells. After a two hour treatment with H₂O₂, the cells showed the typical signs of senescence. This model was used to prove an anti-senescence effect of an extract of Uttwiler Spätlauber stem cells. After the H₂O₂ treatment, the fibroblast cells were incubated with 2% extract for 144 hours. Then gene expression was analyzed with a cDNA array system comprising of 150 probes related to cellular growth, signaling, senescence and aging. Gene expression was compared to that of cells that were kept only in the culture medium after the H₂O₂ treatment.

In the control culture, several genes important for cellular proliferation and stimulation of cellular growth were down regulated after H₂O₂ treatment (Table 1). Incubation with the extract of Uttwiler Spätlauber stem cells neutralized this down regulation or even induced an up regulation. The extract also strongly stimulated the expression of an important antioxidant enzyme, heme oxygenase 1, whose expression was surprisingly not increased in the control.

Gene	Gen. that is down-regulated by senescence induction (see control)	
	After H ₂ O ₂ Control	After H ₂ O ₂ + 2% Malus Domestica stem cell extract
cyclin B1: induces proliferation	73 ↓	130 ↑
cyclin E1: tumor inducer	78 ↓	135 ↑
p53: tumor suppressor gene	63 ↓	137 ↑
insulin-like growth factor II: cell proliferation enhancer	71 ↓	117 ↑
heme oxygenase 1: antioxidants enzyme	89 ↓	211 ↑

Table 1: Effect of Uttwiler Spätlauber stem cell extract on gene expression profile of fibroblast cells after H₂O₂

Retardation of Senescence in Isolated Hair Follicles

Human hair follicles can be isolated by microdissection from skin fragments that are left after facelift surgery. Only follicles in the anagen phase are collected. Hair follicles are mini organs that represent a natural coculture model of epidermal and melanocyte stem cells and differentiated cells. The follicles can be maintained in a growth medium where they elongate until about day 14. Then the follicle cells gradually become senescent or undergo apoptosis which is a programmed cell death. Because of the lack of blood circulation, isolated hair follicles cannot be kept alive and growing for a longer period. But isolated hair follicles are test models to screen for actives that can delay the necrosis process. Addition of 0.2% of an extract of Uttwiler Spätlauber stem cells was found to slightly but clearly postpone senescence- and apoptosis-induced necrosis. Figure 6 shows that follicles kept in presence of the Uttwiler Spätlauber stem cell extract continued to elongate until day 18, whereas the control follicles started to shrink after day 14.

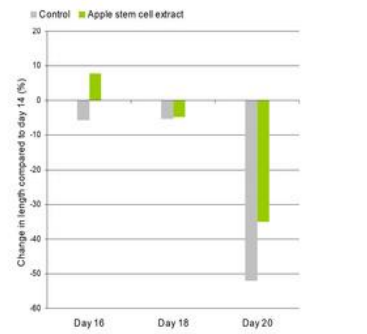


Figure 6: Uttwiler Spätlauber stem cell extract increases lifespan of isolated human hair follicles

Anti-Wrinkle Effect on the Crow's Feet Area

The anti-wrinkle efficacy of PhytoCellTec Malus Domestica was demonstrated in a clinical trial over 4 weeks with 20 subjects. A cream with 2% PhytoCellTec™ Malus Domestica was applied twice daily to the crow's feet area. Wrinkle depth was analyzed with the PRIMOS system after 2 and 4 weeks. Digital photos of the crow's feet area were taken at the beginning and the end of the study. The PhytoCellTec™ Malus Domestica cream was found to significantly reduce wrinkle depth after two and after four weeks, by 8% and 15% respectively. The effect can be nicely demonstrated by generation of 3D pictures. Such an example is shown in Figure 7.

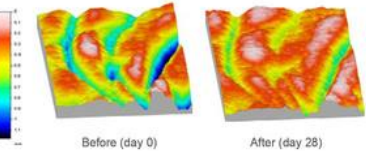


Figure 7: 3D picture analysis of the crow's feet area before and after application of a cream with 2 % PhytoCellTec™ Malus Domestica

Conclusions

Stem cells are the most important cells in the skin. They are the source for continuous regeneration of the epidermis, the formation of new hair and hair pigments. Reduced viability and premature senescence or apoptosis of stem cells is a principal cause for tissue aging. The results presented in this article show that an extract of Uttwiler Spätlauber stem cells positively influences viability and resistance against senescence and apoptosis of human stem cells. In this way, the plant stem cell extract promotes regeneration of skin and hair and delays the appearance of skin aging signs. The exact mechanism is not known. But the Uttwiler Spätlauber apples, known to stay fresh for an extraordinarily long time, might have stem cells with a special epigenetic profile. It seems that these epigenetic factors have a positive effect on human stem cells.

References

- (1) Barthel R. & Aberdam D. (2005) Epidermal stem cells. Journal of European Academy of Dermatology and Venereology 19:405-13
- (2) Nishimura E.K., Grant S.R. & Fisher D.E. (2005) Mechanisms of Hair Graying: Incomplete Melanocyte Stem Cell Maintenance in the Niche. Science 307:720-4
- (3) Byrne M.E., Kidner C.A. & Martienssen R.A. (2003) Plant stem cells: divergent pathways and common themes in shoots and roots. Current Opinion in Genetics & Development 13:551-7

Improves Skin & Hair Health

1

Skin Cell Longevity



- Lengthens telomeres up to 15 times
- Extends the life cycle of skin cells

3

Skin Cell Regeneration & Anti-Aging



- Increases pluripotent stem cells
- Promotes skin cell regeneration and repair

2

Skin Brightening & Inflammation Reduction



- Increases vitamin C levels by more than 3 times
- Whitens skin and reduces inflammation & wrinkles

4

Skin Protection & Detoxification



- Enhances metallothionein levels
- Prevents skin oxidation, aging, and canceration



Improves Skin & Hair Health

1

Wound Healing & Skin Defense



- Regulates cathelicidins and defensins
- Provides anti-inflammatory and bactericidal effects

3

Hair Growth & Root Protection (DHT Control)



- Binds to androgen receptors
- Regulates androgens (DHT)
- Accelerates hair root regeneration

2

Hair Health



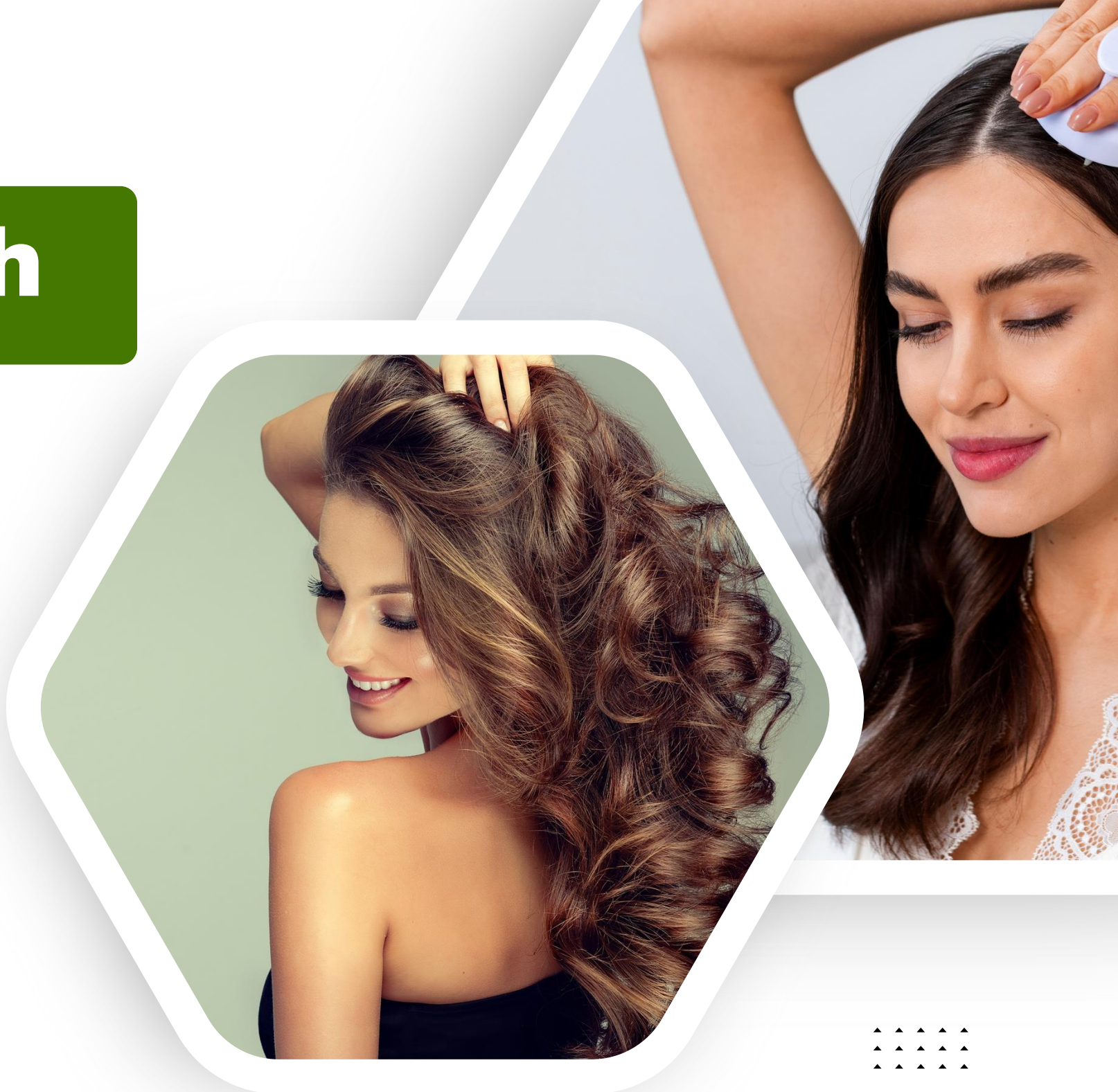
- Binds to vitamin D receptors
- Strengthens the immune system

4

Scalp Health



- Prevents scalp and hair root infections
- Protects against hair loss and supports hair regeneration



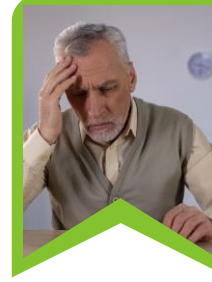
Benefits Of Vitamin C



Anti-Inflammatory
Effects



Immune System
Regulation



Cognitive
Function



Anti-Aging
Support



Oral Health



Eye Health



Collagen
Production



Cold & Flu
Protection



Iron & Blood
Health



Wound Healing



Heart & Brain
Health



Hair & Nail
Health



BioCellix Liver Health Benefits



Red Blood Cell



Oxygen Support



Kidney Function Improvement



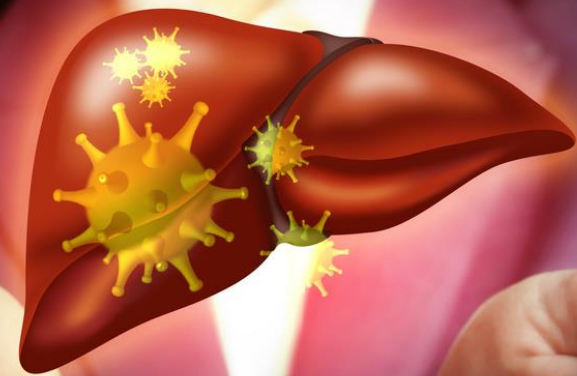
Fluid Balance



Metabolic Regulation



Multi-Organ Protection



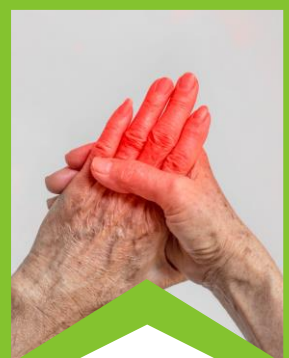
BioCellix Liver Health Benefits



Liver
Detoxification and
Circulation



Liver Cell
Regeneration



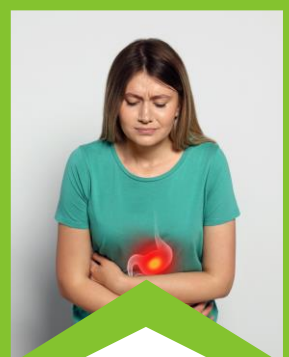
Immune &
Inflammatory
Regulation



Liver Disease
Prevention



Anti-Inflammatory
Support



Inflammatory
Protection



Benefits of BioCellix on Fertility Issues

- BioCellix addresses a wide range of fertility concerns in both men and women through a unique combination of phytoestrogens, multivitamins, minerals, and micronutrients.
- It helps regulate menstrual cycles, enhances follicle development, strengthens the uterus, and supports overall reproductive health.

For Women

- Tubal diseases
- PCOS / PCOD / Fibroids
- Irregular menstruation
- Hormonal imbalance
- Irregular ovulation
- Premenstrual syndrome
- White discharge
- Period pain / Menstrual cramps



For Men

- Ejaculation difficulties
- Low sperm count
- Transient azoospermia
- Oligospermia
- Low sperm motility
- Nocturnal emissions
- Premature ejaculation
- Loss of libido

NATURE4EVER

Thank You For Your Attention

Company Contact

Here's to achieving even greater
success in the future.



Our Website
www.nature4ever.com

