



Catalog Number
ICP0106

PolluxCD

INCI : Crepidiastrum Denticulatum Leaf/Stem Extract



PolluxCD is a novel natural extract that protects the skin against various air-pollution stress (PM, BaP, Heavy metals, UVB) and prevents pollution-induced skin ageing.

The increase of air pollutants has negative effects on the skin such as atopic dermatitis, acne, skin pigmentation and wrinkles. Air pollutants include particulate matter (PM), heavy metals, polycyclic aromatic hydrocarbons (PAHs) containing benzopyrene (BaP), and ultraviolet radiation (UVR). PolluxCD is a native plant *Crepidiastrum denticulatum* (CD) extract that protects skin cells from cytotoxicity induced by BaP and heavy metals, and decreases oxidative stress and inflammatory cytokines. PolluxCD also reduces or delays cellular senescence through autophagy activation. PolluxCD is a new functional ingredient in cosmetics that prevents skin ageing caused by environmental pollution.

Particulate
Matter

BaP

Particulate
Matter

Air
pollution

UV



+ Application

- Skincare, Suncare
- Anti-pollution
- Anti-inflammation

+ Mode of Action

- Activates autophagy
- Protects skin cell against pollution-induced toxicity
- Reduces pollution-induced inflammatory cytokine production

Trade Name	PolluxCD
Composition	Crepidiastrum Denticulatum Leaf/Stem Extract (50%) 1,3-Butylene glycol (50%)
Catalogue No.	ICP0106
Appearance	Yellowish brown color, liquid
Shelf Life	12 months
Storage	Room temperature, away from direct sunlight
Pack Sizes	1kg



Non-mutagenic in
S.typhimurium and *E.coli*
reverse mutation assay



Non-irritant to skin in
primary patch test and in
vitro human skin model test

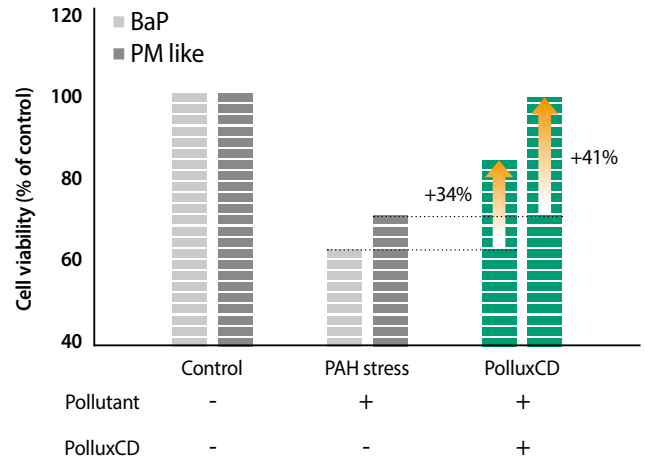
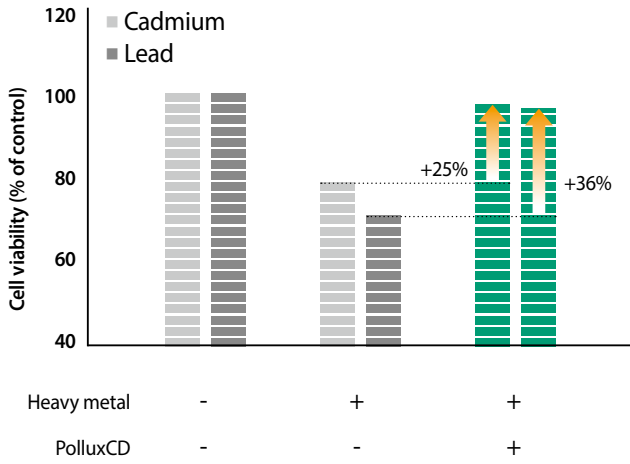
incospharm

Incospharm Corporation

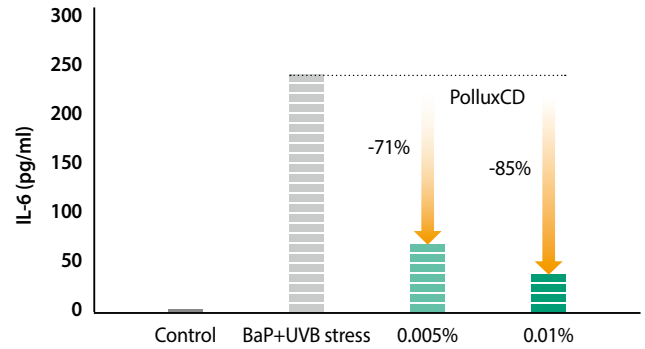
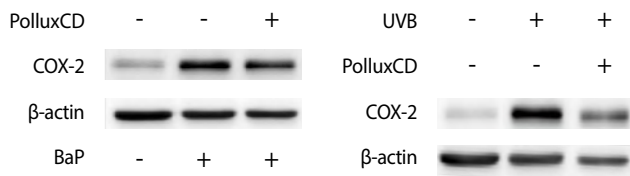
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In vitro Efficacy

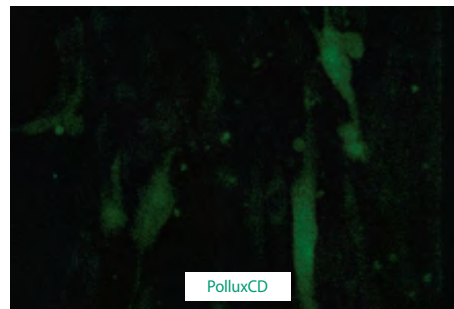
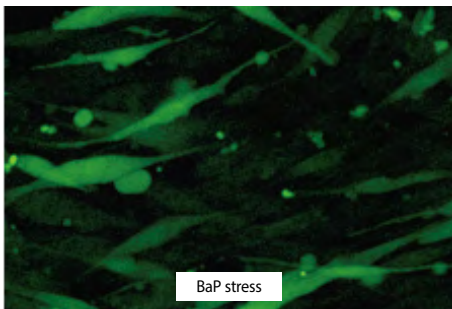
Protects against Pollution-induced Cytotoxicity



Decreases Pollution-induced Expression and Secretion of Inflammatory Factors

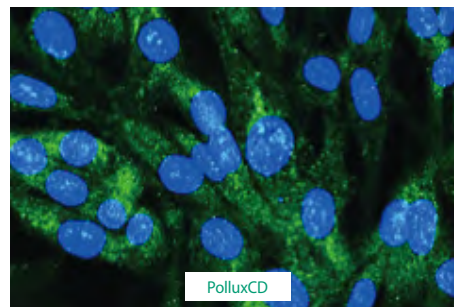
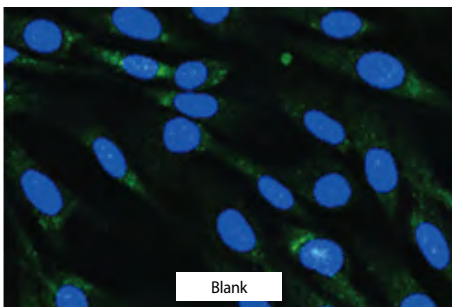


Reduces Reactive Oxidative Stress



*Intracellular ROS (green)

Activates Autophagy



*Autophagy key marker :
LC3 puncta (green)