

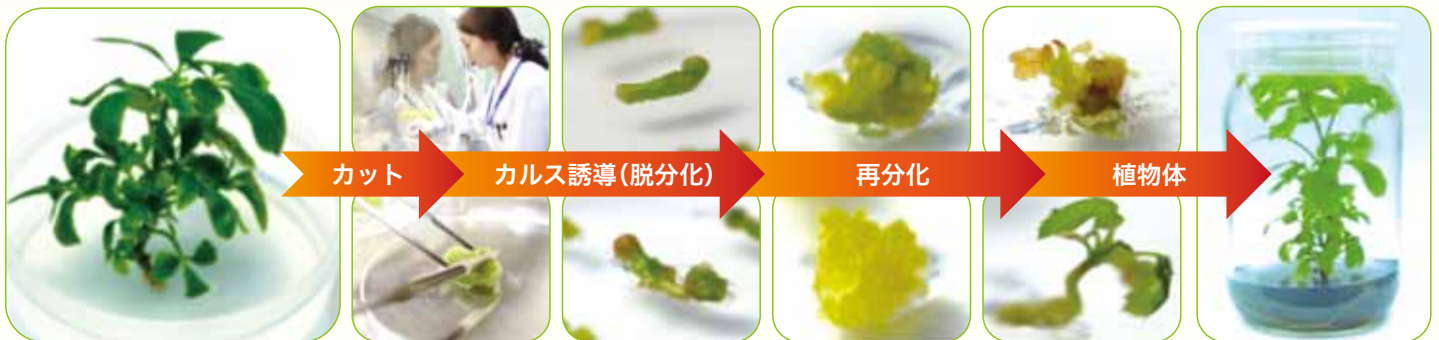
緑茶幹細胞エキス

販売名: 緑茶カルスエキスBG



*イメージ

【植物カルスの誘導】



植物カルス: 分化していない植物細胞のこと

植物カルスは、適切な成長調節物質により、完全な植物組織に再分化ができます。この能力は、「分化全能性(totipotency)」として知られています。この点で植物カルスは、ヒト幹細胞に類似した植物幹細胞と言われています。

緑茶カルス

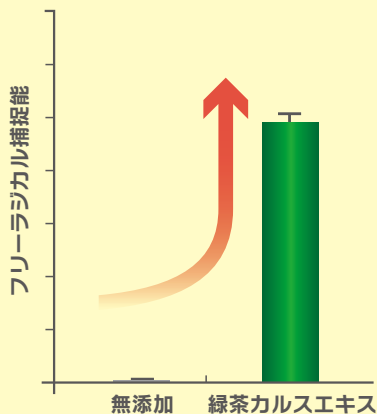


葉から植物細胞の誘導

誘導された緑茶カルス

抗酸化作用

- 緑茶カルスエキスのフリーラジカル補足能を、DPPHラジカル補足作用テストで測定しました。

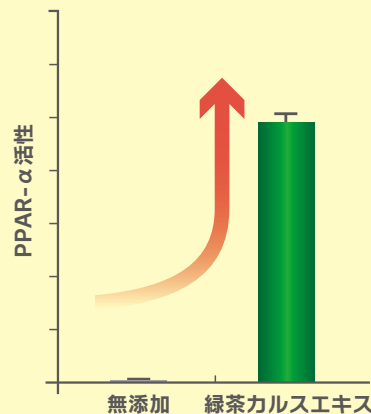


結果:

緑茶カルスエキスに優れたフリーラジカル補足能が認められました。緑茶カルスエキスには高い抗酸化作用があります。

抗炎症作用

- 緑茶カルスエキスをヒト胎児腎臓細胞に加え、抗炎症作用(PPAR- α 活性)を確認しました。



結果:

緑茶カルスエキスは抗炎症作用が確認されました。

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Green Tea Callus Stem Cell Extract BG

For Cosmetics / For Food

Technical document

INCI name : Camellia Sinensis Callus Culture Extract



*image

Green Tea Callus Stem Cell Extract was developed in callus culture from the cell which I gathered from a tea leaf.

■ Ingredient of the tea

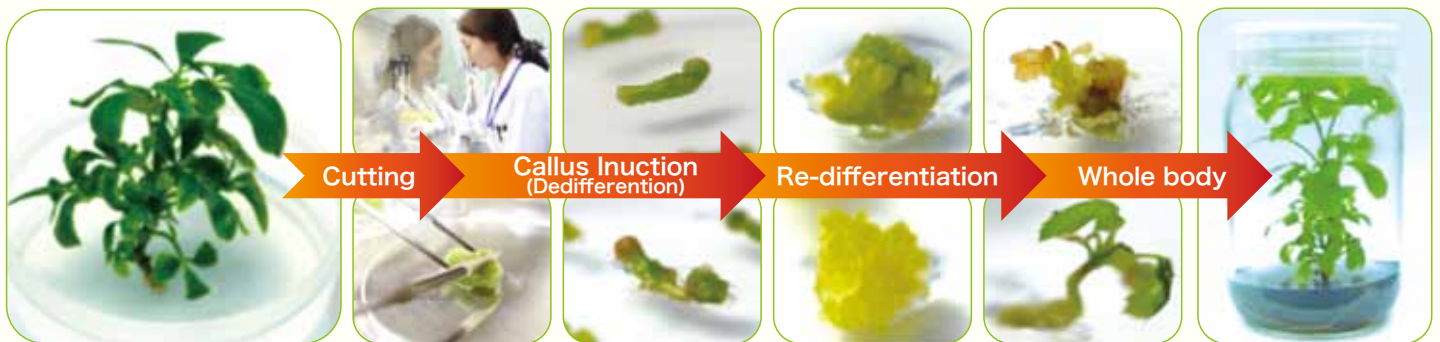
Theanine and various bioactive substances including vitamins are included in the others of polyphenols to tea abundantly.

■ The green tea is ;

The tea is made all from a leaf of the evergreen "CHA" of the camellia department. The tea leaf becomes green tea and Chinese tea, the tea in the difference in processing method.

The tea leaf just uses the ingredient of the tea leaf as green tea in Japan without letting ferment after heating.

[Callus Induction]



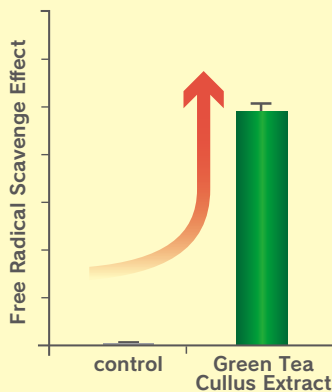
Plant callus

Plant callus is a mass of undifferentiated plant cells. Plant callus can be re-differentiated into the specialized tissues of a whole plant, with the addition of suitable growth regulators. This ability is known as "totipotency". In this aspect the plant callus can be called as plant stem cell similar to human stem cell.



Anti-oxidant action

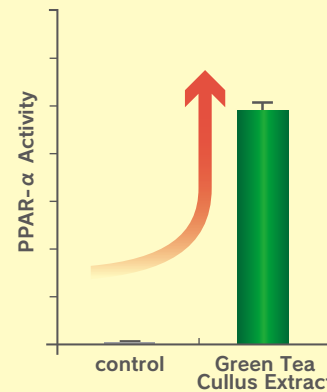
■ The free radical scavenging in the green tea callus extract was measured on DPPH radical supplementary action test.



A free radical scavenging in the green tea callus extract was accepted. Green tea callus extract provides high anti-oxidation.

Anti-inflammatory action

■ Human embryonic kidney cell were added green tea callus extract to and confirmed Anti-inflammatory action(PPAR- α activity).



As for the green tea callus extract, anti-inflammatory action was confirmed.



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