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## The effects of hominis placenta extract on melanin synthesis of B16 melanoma cells

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**Objective:** This research was carried out for the development of medicine for vitiligo treatment and focused on the effect of hominis placenta extract on melanin synthesis of B16 melanoma cells.

**Methods:** Activity of tyrosinase playing a vital role in synthesis of melanin and the quantity of melanin, which is the final product in cultured B16 melanoma cells, effects of Hominis placenta extract were measured.

**Results:** The results indicated that hominis placenta extract increased both the amount of melanin and the activity of tyrosinase according to the concentration, and they also supported by western blot analysis.

**Conclusion:** The results suggest that hominis placenta extract has an advantageous effect on the promotion of melanin synthesis and will contribute to the development of vitiligo treatment through further related studies.

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