



## TANNING ACCELERATING EFFECT AND/OR TANNING EFFECT MAINTENANCE



Title	<b>Instrumental assessment of the tanning accelerating efficacy.</b>
Objective	To assess the tanning accelerating efficacy of a product after repeated application, simulating the use intention.
Schedule	Duration of the study: 4 weeks. Beginning: 2 weeks upon receipt of the samples. Report: 3 weeks after the end of the study.
Methodology	Assessment of the speed of obtaining a skin tan by means of colorimetric measurements (Mexameter® or Colorimeter® or Chromameter®). Assessment of tanning effect maintenance.
Procedure	<ul style="list-style-type: none"><li>• Determination of the theoretical lowest UVA dose capable of inducing an immediate and persistent minimal pigmentary response (MPPD).</li><li>• Basal measurement of the skin colour on 4 sites of the subjects' back.</li><li>• Repeated application of the product in 2 sites, once a day during 5 to 10 days, at the investigating centre.</li><li>• Measurement of the skin colour on the 4 sites (test and control) delimited on the subjects' back.</li><li>• Induction of skin pigmentation in daily sessions of UVA radiations (Sun Simulator Multiport® Solar Light Co) – 1 MPPD/day – during 3 to 5 days in 2 sites: one site with product application and one site without product application.</li><li>• Colorimetric measurements in all 4 sites on both test (with and without radiation) and control sites (with and without radiation) each day of radiation.</li></ul> <p><b>For TANNING ACCELERATING EFFECT:</b></p> <ul style="list-style-type: none"><li>• Repeat colorimetric measurements in all 4 sites 3 days later.</li></ul> <p><b>For TANNING EFFECT MAINTENANCE:</b></p> <ul style="list-style-type: none"><li>• Repeat colorimetric measurements in all 4 sites every 3 days for 10 days.</li><li>• Statistical comparison of the results obtained on both control and test areas.</li></ul> <p><i>Optional: Prolonged effect of the tan with additional product applications</i></p>