



Cotinine [HRP] (DAG1074)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Cotinine, HRP conjugate |
| Antigen Description | Cotinine is an alkaloid found in tobacco and is also a metabolite of nicotine. The word "cotinine" is an anagram of "nicotine". Cotinine has an in vivo half-life of approximately 20 hours, and is typically detectable for several days (up to one week) after the use of tobacco. The level of cotinine in the blood is proportionate to the amount of exposure to tobacco smoke, so it is a valuable indicator of tobacco smoke exposure, including secondary (passive) smoke. People who smoke menthol cigarettes may retain cotinine in the blood for a longer period because menthol can compete with enzymatic metabolism of cotinine. Genetic encoding of liver enzymes may also play a role.) It is used as a biomarker for exposure to tobacco smoke and has also been sold as an antidepressant under the brand name Scotine. |
| Species | N/A |
| Conjugate | HRP |
| Applications | ELISA, Immunoassays, Development of Rapid tests and other immunoassay, antibody recognition assays |
| Format | Concentrate |
| Size | 0.5 ml |
| Preservative | None |
| Storage | 2-8°C short term, -20°C long term |

BACKGROUND

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| Introduction | Cotinine is a chemical derived from the catabolism of nicotine, which is found in cigarette smoke. Since cotinine can be made only from nicotine, and since nicotine enters the body with |
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cigarette smoke, cotinine measurements can show how much cigarette smoke enters the body in a given time. Cotinine itself is not harmful.

Keywords

Cotinine; (-)-Cotinine; Cotinina; Cotininum
