

# MelaFind® (Melanoma Detection)

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MelaFind JPEG.jpg

The MelaFind® melanoma detection system was developed by [Mela Sciences](#) a clinical dermatology company.<sup>1</sup> The system is used to help evaluate suspicious skin abnormalities (lesions). Specifically, the test is used to determine whether a particular colored (pigmented) skin lesion is likely to be melanoma. MelaFind® uses a sophisticated imaging system to capture photographs of the skin abnormality. The photograph is then compared to a database created from 10,000 skin biopsies. The result is a simple 'yes' or 'no'. The result can be used to help guide biopsy decisions. In clinical trials, MelaFind® was found to be very sensitive in detecting melanoma.<sup>2</sup> The test was approved by the FDA in November 2011.<sup>3</sup>

MelaFind® is not used on all skin lesions or all part of the body. According to the manufacturer's website, MelaFind® is effective at finding melanomas ranging in size from 0.2 cm to 2.2 cm (2.54 cm = 1 inch). Larger or smaller lesions are not readily imaged by the system's cameras.

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1 Mela Sciences Website [<http://www.melasciences.com>]

2 Monheit G, Cognetta AB, Ferris L, Rabinovitz H, Gross K, Martini M, Grichnik JM, Mihm M, Prieto VG, Googe P, King R, Toledano A, Kabelev N, Wojton M, Gutkowitz-Krusin D. The performance of MelaFind: a prospective multicenter study. Arch Dermatol. 2011 Feb;147(2):188-94. Epub 2010 Oct 18. [<http://archderm.ama-assn.org/cgi/content/full/147/2/188>] [PUBMED]

3 FDA New Device Approvals and Clearances. MelaFind® - P090012 [<http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/DeviceApprovalsandClearances/Recently-ApprovedDevices/ucm280864.htm>]