



Hot Search: [game download](#)

search for [game download](#) ~ Related searches: [Free Games To Play](#) , [Download Games](#) , [Download Movies](#) , [Free Games](#) , [Mp3](#) , [Pc Game Downloads](#) , [Free Software Downloads](#) , [Play Free Games](#) , [All Free Games](#) , [Antivirus Software](#)

Tech News Watch

[Tech News Watch](#)



[Spinning A New Role For CDs And CD Players](#)

by [Lockergnome](#) on September 24, 2007 at 12:08 pm · [Comments](#)

Categorized by [Health](#) / [More Information](#)

CD-ROMs and DVDs and the hardware used to play these popular audio and video compact discs (CDs) have "enormous" potential as a new generation of portable, inexpensive instruments for home health monitoring and laboratory-based testing, scientists in Spain are reporting in the Oct. 15 issue of ACS' Analytical Chemistry, a semi-monthly journal. CD technology could be adapted for tests ranging from the measurement of environmental toxins to at-home disease diagnosis, their report said.

In the study, Angel Maquieira and colleagues demonstrated technology that uses ordinary CDs and CD players as analytical tools with the potential for performing a range of key laboratory tests. As proof of principle, they developed a CD with a surface coating of so-called immunoassay materials and used it to identify three pesticides — 2,4,5-TP, chlorpyrifos, and metolachlor — placed on the disc. Upon spinning in a CD player with its standard laser light, the compounds caused changes in light intensity. A computer interpreted those changes and correctly named the compounds.

"The obtained results show the enormous prospective of compact discs in combination with CD players for multiresidue and drug discovery applications," [the article states](#). The researchers are currently working on ways to increase the sensitivity and versatility of the new technique.

Tags: [home health monitoring](#), [self test](#), [homecare](#), [home care](#)

Ads by Google

[Fleet Monitoring](#)
Nevada Automotive Test Center can fulfill your fleet monitoring needs
www.natc-ht.com

[Fleet Monitoring](#)
Nevada Automotive Test Center can fulfill your fleet monitoring needs
www.natc-ht.com

[StaffPlan Roster](#)
StaffPlan's Homecare Scheduling and Admin software. Free Trial!
www.staffplan.co.uk

Ads by Google

What are your thoughts?

[RSS feed for comments on this post](#) · [TrackBack URI](#)

- [Kevin Mitnick says you can trust a hacker](#)