

Re: Cooled CCD cameras – Recommendations?

Source: <http://sci.tech–archive.net/Archive/sci.techniques.microscopy/2005–11/msg00133.html>

- *From:* Gary G <see.signature@bottom>
 - *Date:* Tue, 29 Nov 2005 20:36:27 –0800
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On 29 Nov 2005 00:27:45 –0800, "justbeats" <steve_beats@xxxxxxxxxxxxx> wrote:

>> The un-cooled cameras will take excellent pix with just ambient light.
>
>That's an interesting point...
>
>What effect does "ambient" light have on resolution compared to (say)
>Kohler illumination? Similar to darkfield or oblique illumination I
>guess?
>
> Cheers
> Beats

The issue here is that the camera can make a "decent" image using only room light rather than formal illumination. It will auto color correct. With dry 40X and lower mag objectives, the results are good. Certainly, using a condenser is better than ambient light. The point is/was to show how sensitive the camera is. There is no suggestion that using this camera would eliminate a condenser.

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- *References:*
 - ◆ *Cooled CCD cameras – Recommendations?*
◇ *From:* hbarwood
 - ◆ *Re: Cooled CCD cameras – Recommendations?*
◇ *From:* Gary G
 - ◆ *Re: Cooled CCD cameras – Recommendations?*
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Re: Cooled CCD cameras – Recommendations?

◆ **Re: Cooled CCD cameras – Recommendations?**

◇ *From:* justbeats

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