

You're receiving this email because of your past communications with Hardy Diagnostics. Please [confirm](#) your continued interest in receiving emails and the monthly newsletter from Hardy Diagnostics.

You may [unsubscribe](#) if you no longer wish to receive our emails.

# microBYTES™

*A Hardy Diagnostics eNewsletter*



December, 2016

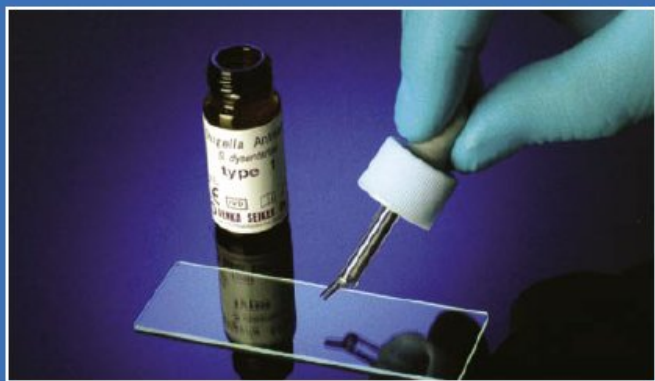
© 2016, Hardy Diagnostics,  
all rights reserved

## *Micro Musings...*



"Tech support says your anti-virus software did not catch the problem since it is not a virus. It's a bacterium."

## Denke Sieken Antisera



*Be on the lookout...*

## Candida auris

*A new superbug?*

Hardy offers the complete line of antisera from Denka Seiken.

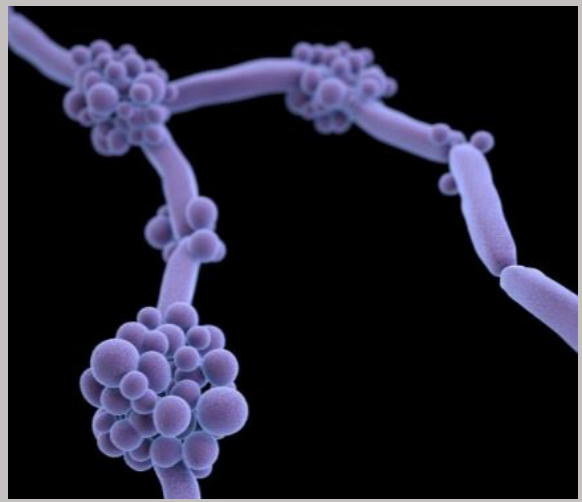
Antisera is used to identify, group, or type bacteria based on the slide agglutination technique.

[View](#) the Denka catalog of all antisera.

[View](#) the Denka Bacterial Handbook.

[Place](#) your order.

\* \* \*



*The GramPRO 1*

## Gram Stains... Consistent and Fast



Hardy's GramPRO 1 will rapidly stain your smears and get it right every time! Our patented technology judges the thickness of the smear and adjusts the decolorization step to perfection. Not only that, there are no messy clean-up or maintenance procedures. The GramPRO 1 will produce a perfect slide every time in about 4 minutes.

[Find out more about the GramPRO 1.](#)

[Watch a brief video on GramPRO 1.](#)

[View the brochure on all of Hardy's automated stainers.](#)

[Please contact me to discuss automated slide stainers.](#)

In June of 2016, the CDC issued a clinical alert to US hospitals, announcing they had received reports from international healthcare facilities regarding a new multidrug-resistant strain of *Candida auris*.

This multidrug-resistant (MDR) yeast was reported in nine countries on four continents starting in 2009. Molecular typing performed by the CDC reports isolates are highly related within a country or region but highly distinct between continents. This MDR yeast is showing elevated MICs to all three major classes of antifungals, so treatment options are extremely limited.



Most commonly, this yeast is found in bloodstream, wound, and ear infections. It received its name due its affinity for the ear. It has also been isolated from respiratory and urine specimens.

It is often misidentified when using traditional biochemical methods, and thus requires specialized means for identification, such as molecular sequencing or MALDI-TOF. Phenotypically, *C. auris* resembles *Candida haemulonii* or *Saccharomyces cerevisiae*.

The first known case was isolated from a patient in Japan in

2009. Cases outside the U.S. show a high potential for outbreak in healthcare facilities. In the US, four states have been affected so far. New York (20), Illinois (2), Maryland (1), and New Jersey (1) all had instances of infection in patients with serious underlying medical conditions who had been hospitalized an average of 18 days before the *C.*

Hot off the press...

# New Culture Media Catalog



Hardy is proud to announce its new catalog of all culture media offerings. This 85 page booklet contains descriptions of the 2,700 products that Hardy manufactures for the microbiologist.

[View](#) the digital version.

[Send me](#) the paper version.

[Please have](#) an account rep contact me about a price quote.

\* \* \*

Fast and easy typing for Strep...

# StrepPro



had been hospitalized on an average of 18 days before the *C. auris* was identified. Worldwide, 60% of the patients have died; however, it is unclear if the deaths were due to the infection or their underlying conditions.

It has been suggested that *C. auris* may persist in the environment, so daily and terminal cleaning and disinfection of these rooms with an EPA-registered hospital grade disinfectant with an antifungal claim is recommended.

So far, none of the MDR strains found in the US have been resistant to all three major classes of antifungal medications, as the international strains are. At this time, most *C. auris* infections are treatable with the echinocandins class of antifungals (such as caspofungin).



However, *C. auris* is not the only *Candida* spp. causing trouble. Approximately 7% of all the *Candida* spp. bloodstream isolates tested at the CDC are now resistant to fluconazole. Most of these isolates are *Candida glabrata*, 14% of which show resistance. Resistance of *C. glabrata* to echinocandins is also on the rise with 3-5% of isolates showing resistance.

*C. haemulonii* isolates and other isolates that cannot be identified beyond *Candida* spp. should be forwarded through state public health laboratories to the CDC for further characterization. *C. auris* isolates should be reported to state or local health departments and the CDC through their email address: [candidaauris@cdc.gov](mailto:candidaauris@cdc.gov).

Patients colonized or infected with *C. auris* should be placed in private rooms, and healthcare personnel should use Standard and Contact Precautions.

For more information, the CDC has provided a question and answer page on their website.

[More CDC information.](#)

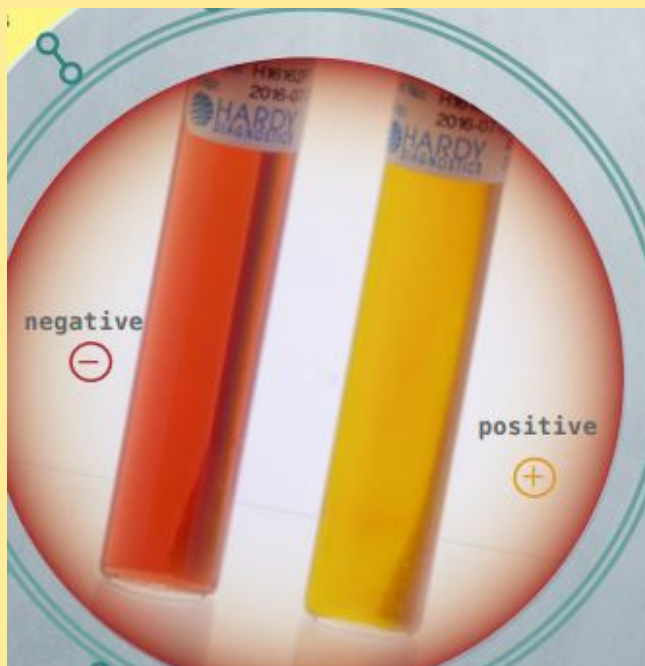
Kate Massey  
Technical Support Associate  
HARDY DIAGNOSTICS





*For environmental monitoring . . .*

## C diff Banana Broth



Hardy announces a new medium for the detection of *Clostridium difficile* bacteria and spores. This new medium is capable of saving hospitals many thousands of dollars. It is useful in monitoring the effectiveness of cleaning procedures used in patient rooms. This is the first and only culture medium that is designed for the detection of *C. difficile* and its spores on surfaces in a hospital setting. The specificity was found to be 100% in a recent study (see reference below). No special equipment or anaerobic supplies are needed! Obtain results in as little as 24 hours!

[View a short video](#) explaining how C diff Banana Broth can save your hospital many thousands of dollars!

[See the catalog listing.](#)

[See the brochure.](#)

[Request a sample](#) for your evaluation.

Watch a short video showing how StrepPro can reliably speed up your Strep ID's.

See the brochure for StrepPRO.

Place your order for the kit.

Discover all of Hardy's rapid test kits.

\* \* \*

*Kirby Bauer disks...*

## HardyDisk AST



Hardy's Kirby Bauer Diffusion Disks offer:

- Complete selection of common antibiotics
- "Last Disk" recognition to warn you to change to a new cartridge.
- Packaging in space-saving canisters with built-in desiccants.
- Compatibility with your BD disk dispenser

[View](#) all our susceptibility products.

[Order](#) now!



\* \* \* \* \*

*Amazing videos...*

# Small World in Motion

*Competition hosted by Nikon*

*Selected 2016 Winners*



Second Place winner shows a predatory ciliate at 200X.  
[View Video.](#)

## Brainteasers



Test your ability to  
raed tihs satenemt and ohtres...

[Enter here.](#)

*In memory of...*



Paul Schreckenberger, PhD



Third place winner shows mold growing in culture.  
[View Video.](#)

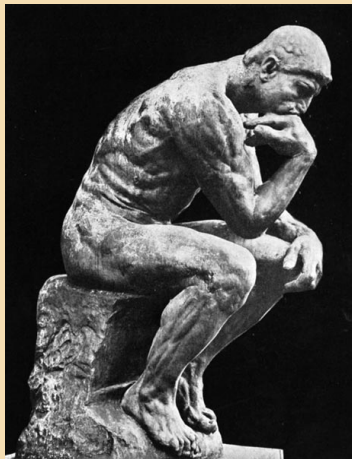
1947 ~ 2016

The world of microbiology has lost a dear and sweet friend. Paul Schreckenberger, PhD passed away suddenly on November 29th and will be greatly missed by microbiologists the world over.

One of the many activities for which Paul was known was his wonderfully informative and practical microbiology seminars that were sponsored by Hardy Diagnostics. All of us are forever indebted to Paul for the knowledge he so freely shared with the microbiology community.

Dr. Schreckenberger completed his basic training in Clinical Laboratory Science at...  
[read more.](#)

*Think about it...*



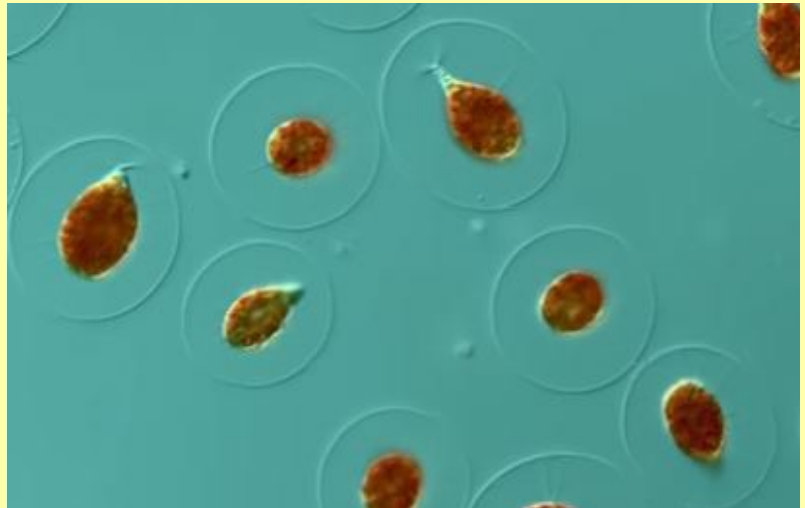
\* How come you never hear father-in-law jokes?

\* The statistics on sanity is that one out of every four persons are suffering from some sort of



Honorable Mention winner shows a Rotifer with tentacles.

[View Video.](#)



Honorable Mention winner shows algae cells.

[View Video.](#)

*Hardy announces  
a new chromogenic medium....*

## HardyCHROM ESBL

Hardy Diagnostics is pleased to inform our customers that HardyCHROM ESBL (Cat No. G321) has recently received clearance from the FDA.



four persons are suffering from some sort of mental illness. Think of your three best friends -- if they're okay...then it's you.

\* Why does a round pizza come in a square box?

\* What disease did cured ham actually have?

\* How is it that we put man on the moon before we figured out it would be a good idea to put wheels on luggage?

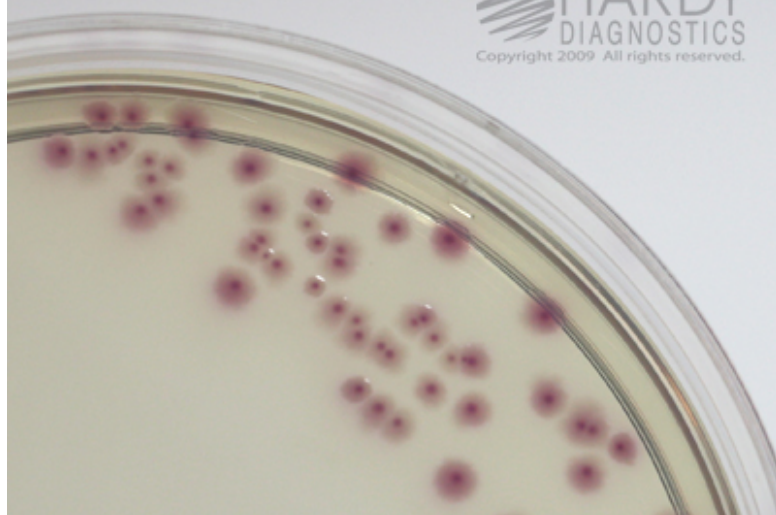
\* \* \*

*Wisdom to Ponder...*

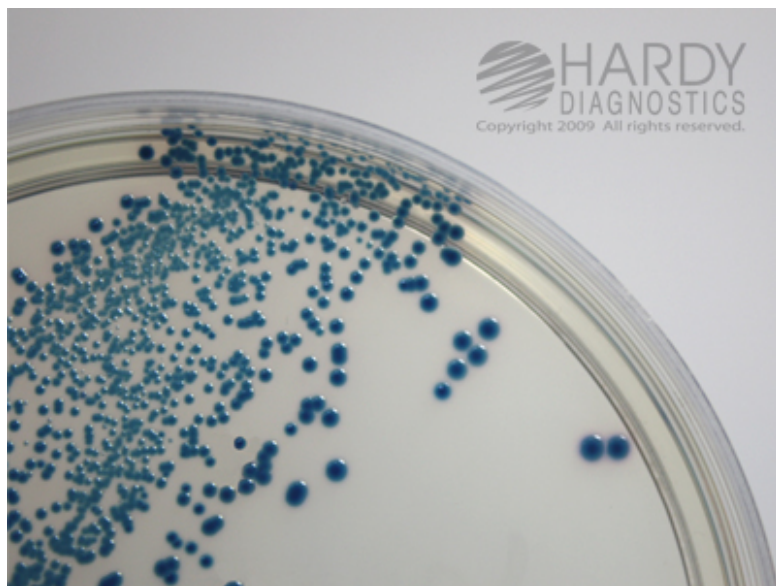


**Abigail Adams**

1744 - 1818



*ESBL E. coli on the new HardyCHROM ESBL Agar plate.*



*ESBL Klebsiella pneumoniae on HardyCHROM ESBL.*

HardyCHROM ESBL serves as a selective and differential chromogenic medium containing a broad-spectrum beta-lactam intended for the qualitative and presumptive detection of *K. pneumoniae*, *K. oxytoca*, and *E. coli* that produce an extended-spectrum beta-lactamase (ESBL). In addition, it tests for Enterobacteriaceae that are potentially non-susceptible to broad-spectrum cephalosporins.

This chromogenic medium is to be used with fecal specimens and is intended as an aid in the detection, identification of colonization, and control of these bacteria in a healthcare setting.

Subculture to non-selective media is required for confirming identification, antimicrobial susceptibility testing, and epidemiological typing.

Hardy is the only media manufacturer to offer a selective medium to detect ESBLs. To try a sample of HardyCHROM ESBL in your lab, inquire about HardyCHROM ESBL with

*Wife of the second president (John Adams) of the US and mother of the sixth president (John Quincy Adams). Known for her quick wit and for being politically active; she was frequently consulted on matters of state.*

"Do not put such unlimited power into the hands of husbands. Remember all men would be tyrants if they could."

"If we do not lay out ourselves in the service of mankind, whom should we serve?"

"If particular care and attention is not paid to the ladies, we are determined to foment a rebellion and will not hold ourselves bound by any laws in which we have no voice or representation."

"We have too many high-sounding words, and too few actions that correspond with them."

"If we mean to have heroes, statesmen and philosophers, we should have learned women."

"Learning is not attained by chance. It must be sought for with ardor and diligence. "

"I've always felt that a person's intelligence is directly reflected by the number of conflicting points of view he can entertain simultaneously on the same topic."

"It's never too late to get back on your feet though we won't live forever. Make sure you accomplish what you were put here for."

"My bursting heart must find vent at my pen."

\* \* \*

ESBL in your lab, inquire about Hardy CHROM ESBL with your Sales Rep today!

[Find more information](#) on HardyCHROM ESBL.

[See the Instructions for Use \(IFU\).](#)

[Contact my sales rep.](#)

[Request for samples](#) for evaluation.

[See all](#) of Hardy's Chromogenic Media.

\* \* \*

## *Trio Bas Air Samplers*



*Two heads are better than one!*

*Now with Bluetooth capability!*

Trio Bas from Orum International has a robust impact air sampler for every type of use. Single, double, or triple heads are available from Hardy Diagnostics.

*What's your  
New Year's Resolution?*







Mine is 1080p (1920 x 1080).

Watch a short video that will explain the Trio Bas is the best choice for your clean room.

See the complete Trio Bas catalog.

Please have a sales rep contact me about air samplers.

\* \* \*

## Online Ordering Made Easy!

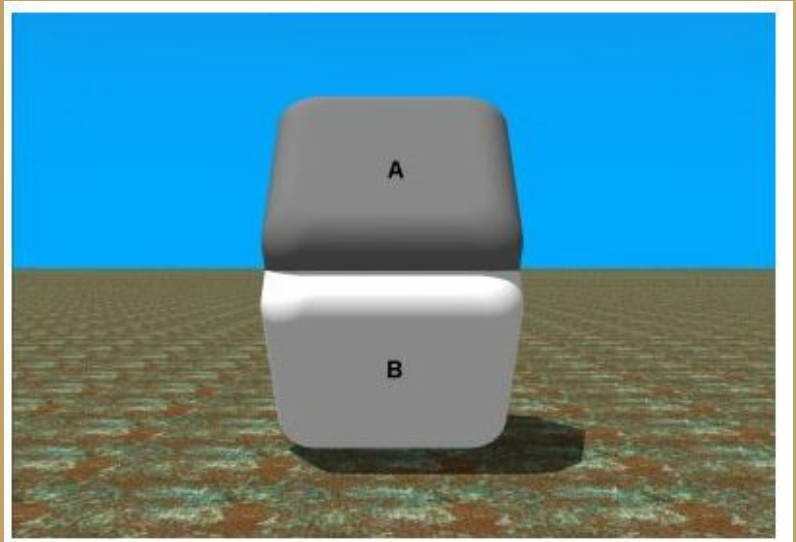


Watch a short video to learn how easy it is to order from Hardy on-line!

*Pick. Click. You're Done!*

\* \* \*

## Optical oddities...



The background of A and B are exactly the same.

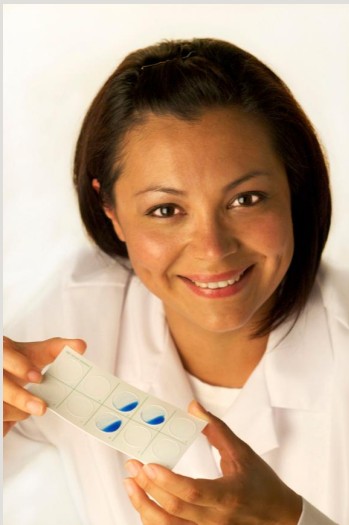
Don't believe it?

Place your finger horizontally on the white line between A and B.

*"Believe half of what you see  
and none of what you hear."*

~ Benjamin Franklin ~

## Did you know?



## Hardy Diagnostics...

- Manufactures over 2,700 microbiology products for you to choose from.
- Stocks over 13,000 laboratory products for your "one stop shop" experience.
- Is celebrating its 36th year of serving microbiologists.

- Manufactures from three ISO certified factories; one in California, Ohio, and Texas.
- Maintains nine distribution centers in the U.S. for faster turn around time to your lab.
- Is ISO 13485 certified for the manufacture of medical devices to give you confidence in our products.
- Services over 10,000 labs and maintains a worldwide network of over 65 distributors.
- Is a 100% Employee-Owned company. *"If we act like we own the place...it's because we do!"*

View a [Corporate Profile](#).  
See the [Company Video](#).  
Send a [message to the president](#).



## QUICK LINKS...

[Our Website](#)

[Our Products](#)

[Company History](#)

[More About Us](#)

[Our Videos](#)

[Contact a rep](#)



Want to receive the MicroBytes  
Newsletter at home?  
[CLICK HERE](#)

Want to view past issues  
of MicroBytes?  
[CLICK HERE](#)

## HardyCHROM MRSA



for brighter, more distinct color reactions.

[Learn](#) more...

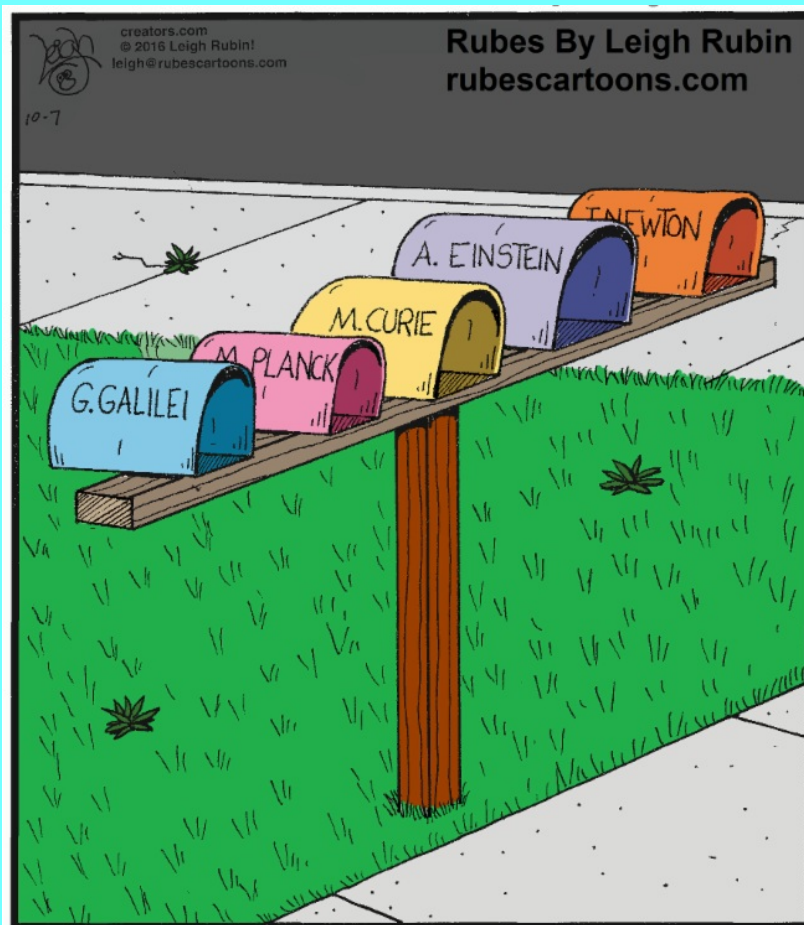
[Purchase](#) now from our online catalog.

[See](#) all chromogenic media.

[Call me](#) for more info and pricing.

[Request](#) for free samples.

## RUBES



**The scientific community**

*"I'm not offended by blonde jokes  
because I know I'm not dumb...."*

*...and I also know that I'm not blonde."*

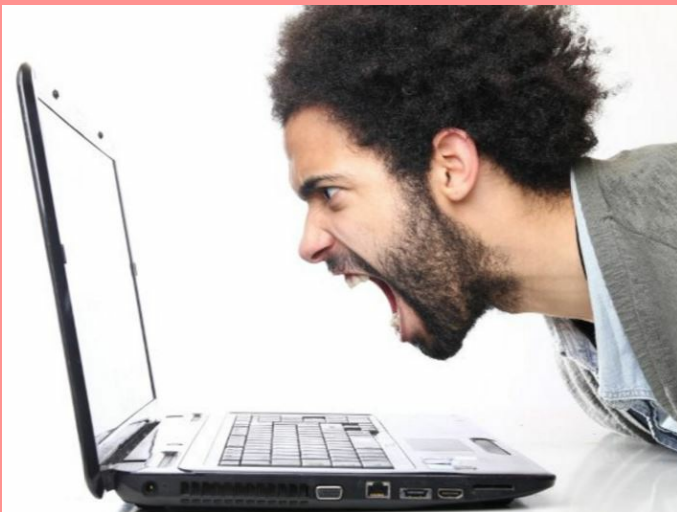
manda I also know that I will not stonae.

~ Dolly Parton



"Before you marry a person,  
you should first make them  
use a computer with slow internet  
service to see who they really are."

~attributed to Will Ferrell



[Find more](#)

of Leigh Rubin's cartoon humor.  
Want to [book Leigh](#) as a speaker at your next event?

Hardy Diagnostics



*Let us find your Happy Medium!*

Warning:  
**PUN ZONE  
AHEAD**



\* I think Santa has riverfront property in Brazil. All our presents came from Amazon this year.

\* I once heard a joke about amnesia, but I forgot how it goes.

\* The butcher backed up into the meat grinder and got a

"As Hardy Diagnostics enters its 37th year of serving microbiologists in the laboratory, I would like to thank each of our customers for their support and loyalty. It truly has been a pleasure to serve you!



If there is any way we can improve or expand upon our service, would you please let me know?"

[Send Jay a message...](#)



Jay Hardy, CLS, SM(NRCM)  
President  
HARDY DIAGNOSTICS

The butcher backed up into the meat grinder and got a little behind in his work.  
\* A hole has been found in the nudist camp wall. The police are looking into it.

Some things are better left unsaid...



*Seems that I always realize that after I've said it!*