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# microBYTES™

A Hardy Diagnostics eNewsletter

 **HARDY**  
DIAGNOSTICS  
*a culture of service...*

May, 2015

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## CryoSavers

for long term storage



Hardy's CryoSavers will save you time and money when it comes to long term storage of

### Micro Musings...



*"Ah, Mr. Brumley, how nice to put  
a face on a disease!"*

## How to keep your pets safe this summer

your cultures. Features include:

- Color coded caps and inserts
- Many formulas to choose from
- Easy identification
- Plastic storage box with hinged lid
- Card for sample ID

View a short video demo

See the brochure

\* \* \*

*Do you do growth  
promotion studies?*

## ***EZ-Accu Shot***



EZ-Accu Shot™ from MBL is a quantitative microorganism preparation for Growth Promotion Testing. EZ-Accu Shot™ preparations are guaranteed to deliver < 100 CFU per 0.1ml of suspension. EZ-Accu Shot™ dissolves quickly and does not require dilutions or pre-incubation. Accurately maintain QC records with the convenient peel-off Certificate of Assay label.

- Instant dissolve,  
no pre-incubation



What are the hidden dangers that can harm your pets this summer? We will take a look at the microbiological dangers lurking in the backyard...and other hazards as well.

*Find out...*

*Optical oddities...*

- 8 hour stability
- No freezing required
- C of A included and traceable to reference culture

[View the brochure...](#)

[Request more information...](#)

\* \* \*

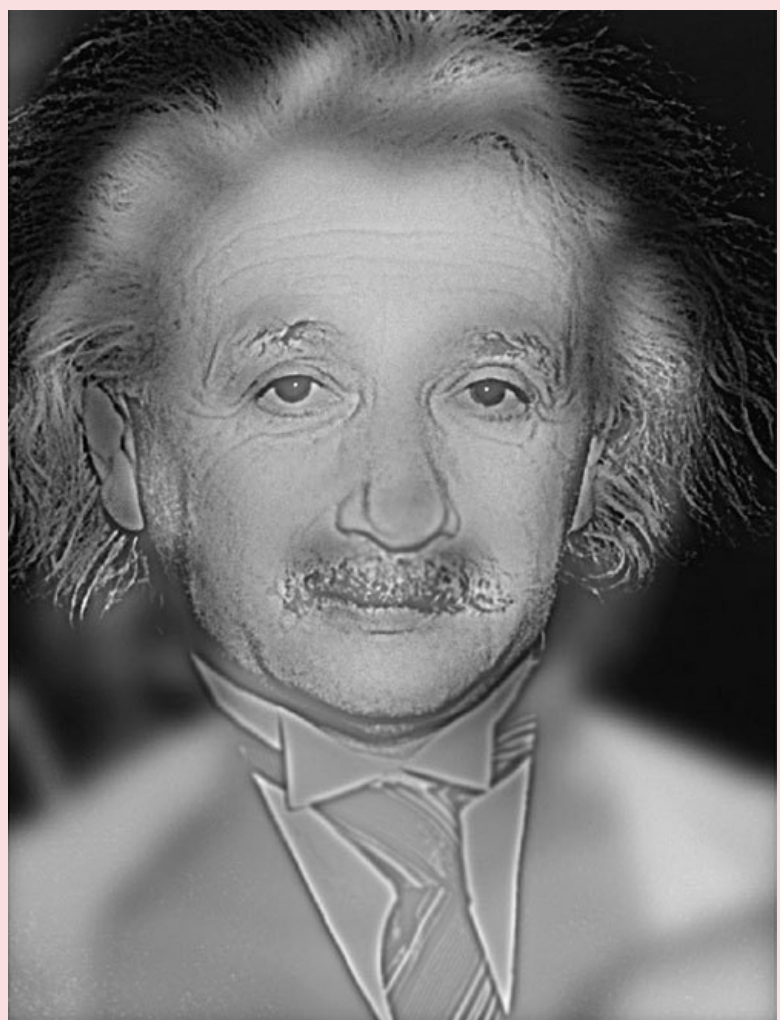
## Download Our Mini Catalogs



No matter what industry you may be in, Hardy has a mini catalog that contains the microbiology products that are needed in your lab.

- Food and Beverage
- Veterinary
- Anaerobic Microbiology
- Susceptibility Testing
- Control Organisms
- Cosmetics
- Pharmaceuticals
- Dehydrated Culture Media
- And more...

[View a complete list and download the PDF version.](#)



## Who do you see?

If you see Albert Einstein, then you probably have good vision. If you see Marilyn Monroe, you might want to get your eyes checked.

Aude Oliva from MIT created this hybrid image to test eyesight at different distances. The further you move back from your screen the image of Marilyn will become more distinct.

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

## RUBES



Request the paper version.



\* \* \*

## Brain teasers



Time to build some muscle  
between the ears.

Go for it here...

## Phraseology

### "You can't teach an old dog new tricks"

This is one of the oldest phrases in the English language, having its first recorded origin in a book on animal husbandry in 1523 that said "an old dog will learn no tricks."



"Well, Mrs. Gold, it appears that since our last visit, you've definitely made a great leap in taking chances outside your comfort zone."

[Find more](#)

of Leigh Rubin's cartoon humor.

Want to [book Leigh](#) as a speaker at your next event?

## What is an IQCP?



What are the requirements for an Individualized Quality Control Plan for my clinical laboratory?

Do you have questions about this



*How much truth is  
in this old saying?*

Neuroscientists at MIT and Massachusetts General Hospital found that we peak, intellectually speaking, at different ages depending on the task at hand.

For example, raw speed in processing information appears to peak around age 18 or 19 and then immediately starts to decline. Meanwhile, short-term memory continues to improve until around age 25 when it levels off and then begins to drop around age 35.

For the ability to evaluate other people's emotional states, the peak occurred much later in the 40s or 50s.

While some IQ tests suggest that vocabulary peaks in the late 40s, new data showed a later peak, occurring in the late 60s or early 70s.

Maybe there's a lot to be said for old dogs after all.

new requirement from CLIA?

*Find the answers...*

\* \* \*

### *Highlights from the 2015 ASM Conference in New Orleans*



## Fecal bacteria on your toothbrush?

Researchers at the Quinnipiac University found that 60% of the toothbrushes tested contained fecal bacteria, when a bathroom is shared, such as in a dorm situation. There is an 80% chance that the bacteria came from someone other than the owner. The American Dental Association offers some advice on how to prevent toothbrush contamination.

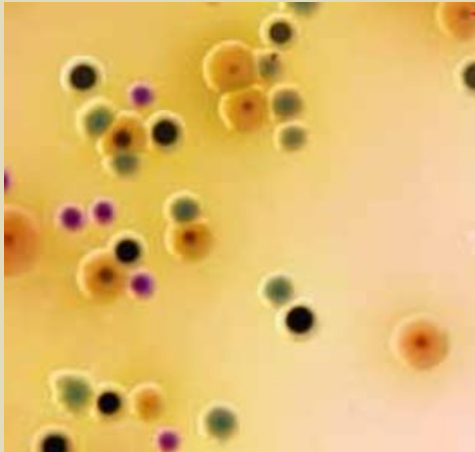
*Learn more...*

## Spoiled beer is common with microbreweries

Researchers at the University of Houston found that many bottles of beer from four out of ten microbreweries contained spoilage microorganisms

\* \* \*

## HardyCHROM SS



The new HardyCHROM SS agar plate allows you to screen stools for both *Salmonella* and *Shigella*, without having to work up false positives, like *Proteus*.

Would you like to reduce your workload, save time and money when it comes to stool cultures?

Here's how...

See the complete HardyCHROM story...

Request for samples and pricing...

\* \* \*

in the brew. It was found that these small craft breweries do not perform quality control to detect contamination and thus were not aware of the problem. Universal Beer Agar or Barney Miller Medium are two types of media that can be utilized to detect such organisms of spoilage.

[Learn more...](#)

## Cinnamon can neutralize viruses

Researchers at New York School of Career and Applied Studies found that cinnamon was effective in blocking the infectious ability of viruses and may be useful in preventing colds and flu in humans. Tests with onion, garlic, cloves, peppermint, cocoa, and saffron had no such effect on the virus they tested.

[Learn more...](#)

## Bacteria sleeping on the job?

Researchers at Indiana University found that up to 90% of the bacteria on human skin is either dormant or dead. They hypothesized that this is due to either a lack of nutrients or moisture.

Another theory is that the bacteria have developed a means to escape detection by the immune system.

[Learn more...](#)

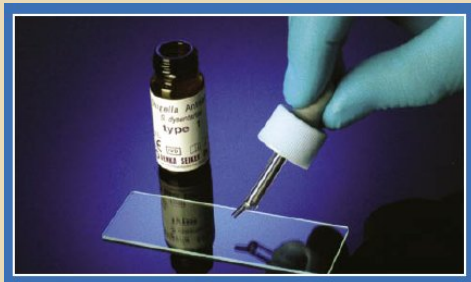
## Bacteria under contact lenses described

Researchers at the New York University School of Medicine found that the bacteria on the cornea is quite different with contact lens wearers. They are more likely to have bacteria commonly found on the fingers or eye lids. *Pseudomonas* was three times more likely to be found with contact lens wearers. This is a common cause of keratitis (infection of the cornea). Contact lens wearers are 80 times more likely to experience keratitis (example shown below).



Hardy's Complete line of...

## Antisera



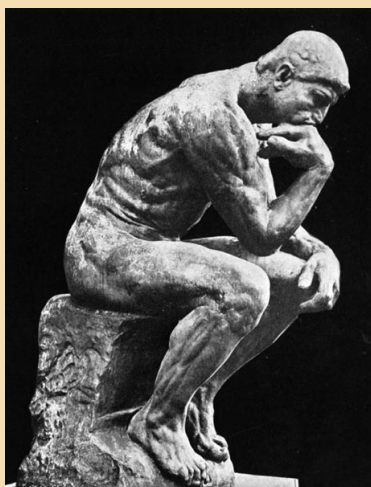
Hardy offers many choices when it comes to antisera. Please check out our listing devoted to this time saving method of identification.

[See](#) the brochure

[Request](#) more information on Denke Seiken Antisera.

\* \* \*

***Think about it...***



\* Is there another word for synonym?

\* Isn't it a bit unnerving that doctors call what they do

[Learn more...](#)



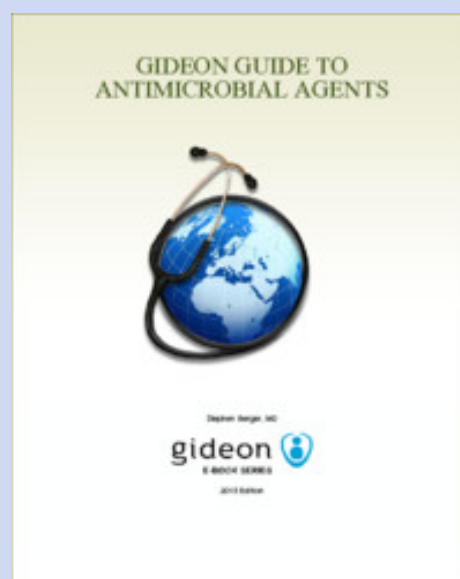
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***New Reference Guide for  
Clinical Microbiologists!***



***Two new reference guides released!***

**Gideon Guide to  
Antimicrobial Agents, 2015**



*Useful and practical information on 303 anti-infective drugs at your fingertips!*

As of 2015, the fields of Clinical Microbiology and

"practice"?

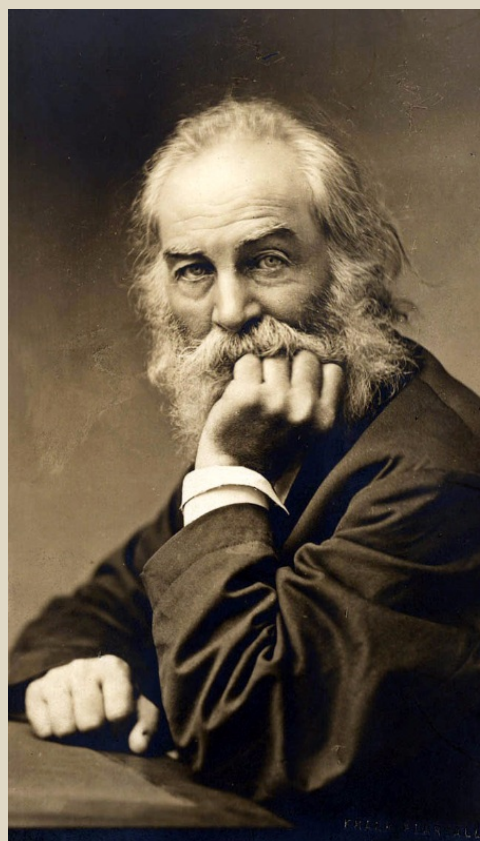
\* When sign makers go on strike, is anything written on their signs?

\* Where do forest rangers go to "get away from it all"?

\* If someone with multiple personalities threatens to kill himself, is it considered a hostage situation?

\* \* \*

*Wisdom to ponder...*



**Walt Whitman**

1819 ~ 1892

*Known as America's "first poet of democracy." Although an*

Infectious Disease are challenged by over 3,000 species of bacteria, viruses, fungi, and parasites. Currently, over 300 drugs are available to battle these pathogens, each with a unique pharmacology, spectrum of activity, testing standards, and range of toxicities.

*Gideon Guide to Antimicrobial Agents, 2015* contains 875 pages as a 10.95 MB PDF file. Since this is an e-book, users can rapidly access a specific drug by name or trade name (currently 25,000 listed) using standard search tools. The text includes drugs which are available in only one or two countries and rare historical content on agents which have not been used since the 1950s.

The first of three sections in the book lists drugs by class and indication; the second is an A-to-Z guide by disease name; and the third is an exhaustive description of each individual agent: Mechanism of action, Typical dosage for adult or child, Details of metabolism, elimination and penetration into various body fluids, Toxicity (185 forms of toxicity), Drug-Drug interactions (558 interactive drugs), Spectrum (including Disc zone diameter and breakpoint standards), and Trade names.

Order the Antimicrobial Guide now for only \$39.99  
Use the temporary code "hardy10" to receive an additional 10% discount.

## **Gideon Guide to Medically-Important Yeasts, 2015**

*The clinical and laboratory characteristics of 119 yeast taxa associated with human specimens.*

The book is an A-to-Z reference that summarizes the practical features of all yeasts associated with human medicine. This exhaustive text includes distinctive laboratory characteristics, ecology and clinical significance, previous taxonomic designations ("synonyms"), and full phenotype (biochemical reactions).



*essayist and journalist, he is best known for his book of poetry "Leaves of Grass."*

"Let your soul stand cool and composed before a million universes."

"Keep your face always toward the sunshine - and shadows will fall behind you."

"Every moment of light and dark is a miracle."

"I no doubt deserved my enemies, but I don't believe I deserved my friends."

"The future is no more uncertain than the present."

"The genius of the United States is not best or most in its executives or legislatures, nor in its ambassadors or authors or colleges, or churches, or parlors, nor even in its newspapers or inventors, but always most in the common people."

"Now I see the secret of making the best person: it is to grow in the open air and to eat and sleep with the earth."

"There is no week nor day nor hour when tyranny may not enter upon this country, if the people lose their roughness and spirit of defiance."

"Happiness is not another place but this place....not for another

As of 2015, 119 yeast taxa have been associated with human disease. The advent of Intensive Care and expanding range of immune suppression (AIDS, transplantation, cancer chemotherapy) has contributed to an expanding range of yeast pathogens and disease syndromes.

*Gideon Guide to Medically-Important Yeasts, 2015* contains 131 pages as a 1.08 MB PDF. The text includes taxa which have been described in only a single country, or even a single patient. For each taxon, the ecology and disease association are described, followed by typical phenotype and drug susceptibility pattern, and a listing of older taxonomic designations (921 names as of 2015).

[Order the Yeast Guide now for only \\$39.99](#)

Use the temporary code of "hardy10" to receive a 10% discount.

Ladies, if a man says  
he will fix it, he will.



There is no need to remind him  
every six months about it!

hour, but for this hour."

"Re-examine all that you have been told... dismiss that which insults your soul."

\* \* \* \*

**microBYTES™**  
A Hardy Diagnostics eNewsletter

Want to receive the MicroBytes  
Newsletter at home?

[CLICK HERE](#)

Want to review past issues  
of MicroBytes?

[CLICK HERE](#)

## Did you know?



## Hardy Diagnostics...

- Manufactures over 3,500 microbiology products for you to choose from.
- Stocks over 13,000 laboratory products to increase your selection.

Warning:

# Pun Zone Ahead



- I wondered why the baseball was getting bigger...then it hit me.
- Acupuncture is a jab well done...and that's the point!
- Those who get too big for their pants will be totally exposed in the end.
- I'd tell you a chemistry joke, but I know I wouldn't get a reaction.
- I'm reading an interesting book about anti-gravity. It's impossible to put down!

- Is celebrating its 35th year of serving microbiologists.
- 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.
- Offers you detailed technical inserts, comprised of over 4,500 pages of information regarding microbiology.
- Services over 10,000 labs and maintains a worldwide network of over 65 distributors.
- Is an 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](#).



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"My child has an eating disorder...  
She like vegetables"

*Approaching adulthood is like  
a dog going to the vet.*



*We get all excited about the car ride  
until we realize where we are going.*

*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!*

\* \* \*

*"Most people do not listen  
with the intent to understand;  
they listen with the intent to reply."*

Steven Covey



\* \* \*