

September, 2019

© 2019, Hardy Diagnostics,
all rights reserved

Control Organisms



Hardy offers a complete selection
of over 900 ATCC derived microorganisms for use in
Quality Control procedures.

[Learn more...](#)

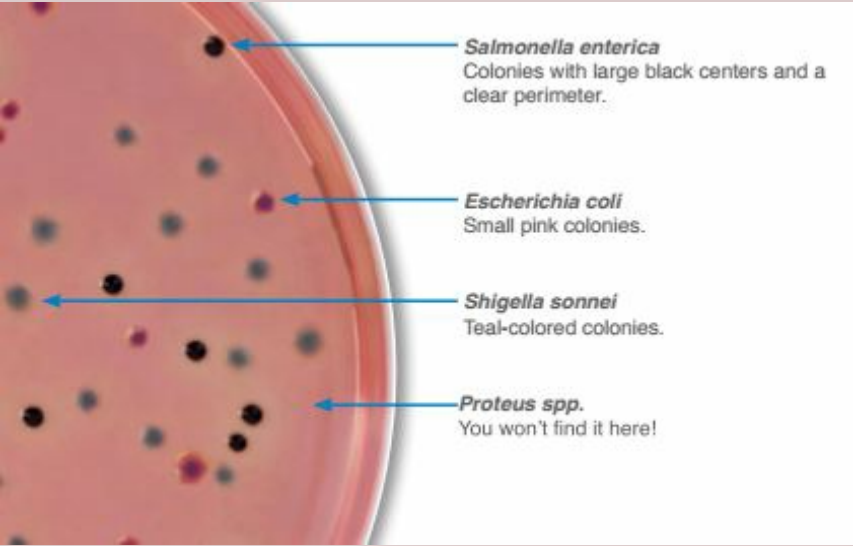
Micro Musings...



CartoonStock.com

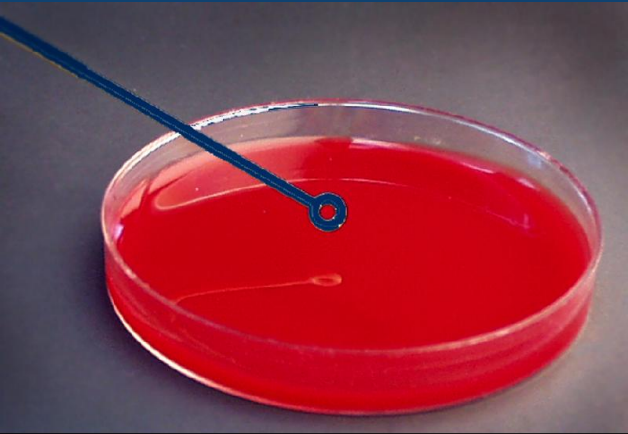
*Stool cultures with no
interference from Proteus!*

HardyCHROM SS NoPRO



NOTE: New study shows **50% less colony work-ups**, for an
overall cost savings of 80%!
[Find out](#) how you can save also...

Inoculating Loops



Hardy offers a complete
selection of loops.

Whether you prefer
platinum, nichrome, or plastic...
Hardy has it!

[See our complete offering..](#)

Omadacycline now available!

New Antibiotics

Disks Now Available from Hardy



- Imipenem/Relebactam, "Recarbio" (Z9441, Z9445)
 - *Coming soon!*
- [Eravacycline](#), "Xerava" (Z9401, Z9405)
- [Plazomicin](#), "Zemdri" (Z9331)
- [Ceftazidime/Avibactam](#), "Avycaz" (Z9351, Z9355)
- [Ceftolozane/Tazobactam](#), "Zerbaxa" (Z9341, Z9345)
- [Delafloxacin](#), "Baxdela" (Z9301, Z9305)
- [Meropenem/Vaborbactam](#), "Vabomere" (Z9321, Z9325)
- [Omadacycline](#), "Nuzyra" (Z9411)

HardyDisks:

- Are compatible with all BD Disk dispensers.
- Feature "last disk recognition" so you know when a refill is needed.
- Include all traditional and newer antibiotics.

[Learn more](#) about HardyDisks.

[View](#) our AST mini-catalog.

Hardy's Transporters



- Reduces costly false-positive work-ups, due to *Proteus* spp.!
- Less colony picking, subculturing, and identifications
- No need for TSI, LIA, or KIA tubes
- Reduces use of expensive ID cards
- Reduces the number of plates for primary stool setup
- Increased specificity
- Easy Identification by patented chromogenic reaction
- The only chromogenic media that will detect both *Salmonella* and *Shigella*

[Learn more about HardyCHROM SS NoPRO.](#)

[Place your order now.](#)

[Try out some free samples.](#)

* * * * *

Screen for Carbapenem Resistance

HardyCHROM CRE



Our new, FDA-cleared, chromogenic media for
Carbapenem-Resistant Enterobacteriaceae



[See all](#) our products for detecting resistance.

[See](#) our complete Chromogenic product offering.

[View](#) the online catalog.

[Request](#) a paper catalog.

[Request](#) free samples.

[Order](#) HardyCHROM CRE.





Our Healthlink specimen transports are available with many choices of holding media, swab types, and shaft materials.

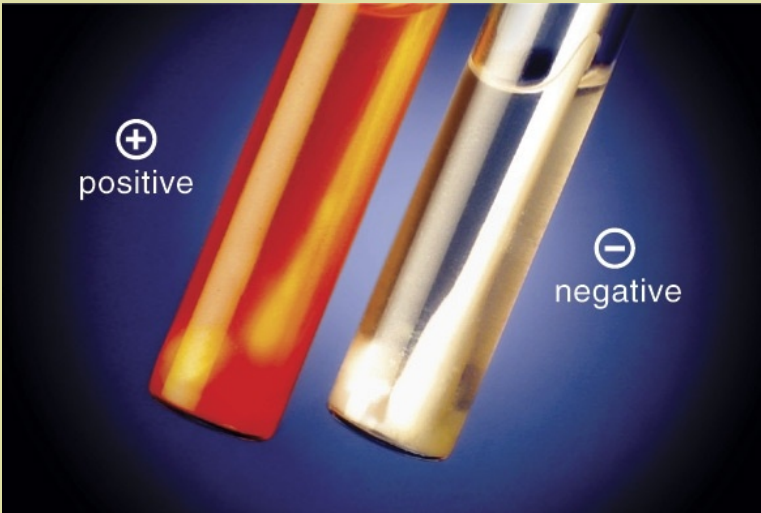
- * See our complete line...*
- * Learn about transports for viruses, chlamydia, and mycoplasma.*



- * Request a price quote...*

For the detection of Group B Strep...

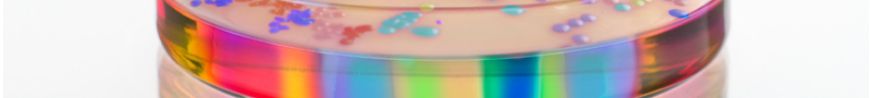
Carrot Broth One-Step



Every test is an opportunity for a new life to thrive and grow...



- Improved...No tile addition needed!
- Detects hemolytic Group B Strep from the initial broth culture



* * * * *

A new kit for kids' science projects!



Find out more here...

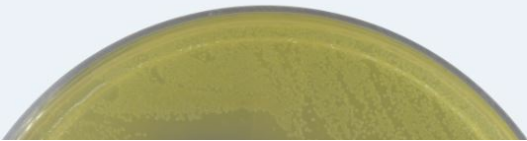
Order from Amazon for FREE shipping!



For the detection of Gardnerella vaginalis

Gardnerella Selective Agar

Our new G. vag plate contains no human blood!
No need for blood-borne pathogen precaution, when detecting Bacterial Vaginosis.



- Detects hemolytic Group B Strep from the initial broth culture
- Provides results in as little as sixteen hours
 - Found to be 100% sensitive and up to 100% specific in a [recent study](#)

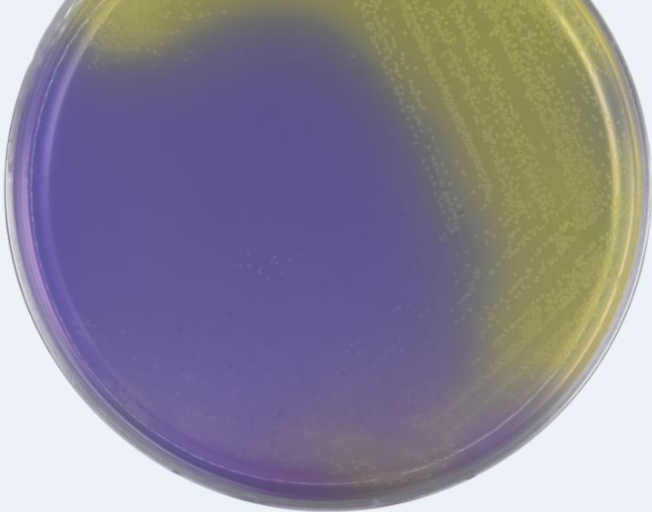
[Watch a short video to learn more...](#)

[Request samples.](#)

[Place your order.](#)

[How is Carrot Broth making a difference?](#)

* * *



[Learn why](#) this is the best way to culture for *G. vaginalis*.

[Request samples](#) for your laboratory.

* * * * *

Strange ads from the past...



Part of the text reads, "Many of the colts & foals we purchase were sired by thoroughbreds, and while they don't meet racing standards, they sure 'meat' ours. Dickman's renders them into the best equine oleomargarine spread that you'll ever taste!"

* * * * *

Gram Staining made easy...



No Mess!
No Stress!
No Inconsistencies!

Bacteria and the oligodynamic effect



Isn't It Time We Build
a Better Bed Rail?

Long before Sir Alexander Fleming's accidental discovery of Penicillin in 1928, our ancestors were already putting the antimicrobial effects of metal to use.

Metals such as copper and silver were used as vessels by ancient civilizations to keep their water clean and safe to drink (1). Researchers have also discovered a reference in an ancient Egyptian medical text known as the Edwin Smith Papyrus (circa 1600 BCE), in which copper may have been used to treat and prevent chest infection (2). This biocidal effect of certain heavy metals is known as the Oligodynamic effect.

Oligodynamic can be defined as "active or effective in very small quantities." The concept is very simple: the metal ions are killing bacteria (3). Research has determined the cause to be electric charges between the bacterial cell membrane and the metal ions. Using the example of copper, ions dissolved from the surface of the metal bond to the membrane of the bacterial cell wall to create an organocopper compound. These organocopper compounds continue to pull apart the membrane of the bacteria and alter its shape (3). Exposure to copper can damage bacterial respiration and DNA, which will ultimately inactivate and destroy the cell (4).

Copper was used thousands of years ago to kill bacteria. Why are we not doing the same?



Hardy's GramPRO is the world's most consistent, repeatable, and reliable way to perform a Gram stain. Find out why...

[Watch a brief video about how easy it is to set up the GramPRO in your lab.](#)

[Learn more about the GramPRO 1.](#)

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

Phraseology...



"Chauvinism"

The word, *Chauvinism*, denotes a form of extreme belief in one's superiority and glory. It can be also defined as "an irrational belief

in the supremacy or dominance of one's own group or people," while everyone else is weak and inferior.

The word is derived from the name of Nicolas Chauvin, a French soldier who, satisfied with the reward of military honors and a small pension, retained a simpleminded devotion to Napoleon. However, historians are not sure that he ever actually existed.

Chauvin came to typify the cult of the glorification of all things military that was popular after 1815 among the veterans of Napoleon's armies. His single-minded, blind devotion to his cause, despite neglect by his faction and harassment by its enemies, started the use of the term.

* * * * *

What is Hardy all about?

[View a short video to find out...](#)

bacteria...Why are we not doing the same?

Copper is already being tested in the medical field as well as in hospitals to prevent the spread of nosocomial infections, such as methicillin-resistant *Staphylococcus aureus* (MRSA) or vancomycin-resistant *Enterococcus* (VRE). Frequently touched surfaces or busy areas can become a safe-haven for bacteria. In one study, copper-prototype objects were substituted in the patient room of an ICU to test the antimicrobial effects compared to items composed of other materials (stainless steel, plastics, etc). Although only 7% of touch surfaces were replaced by copper-prototypes, results showed more than a 50% reduction in infection cases (1).

At this point in time, scientists continue to struggle to develop new antibiotics faster than resistance is evolving. Maybe it's time that items such as bed rails, door knobs, and faucet handles be composed of copper- containing brass. The ancients knew this thousands of years ago. Why have we not learned from their experience?

Additional research into bacteria and the Oligodynamic effect is warranted, since it may be a very useful tool in the fight against the increasing resistance of pathogenic bacteria.

Ref: [1](#), [2](#), [3](#), [4](#)



Gabriel Garza
Technical Support Representative
HARDY DIAGNOSTICS

* * *

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.

- [Watch a short video](#) that will explain why 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.](#)

Testimonial from a Pharmaceutical Lab worker...

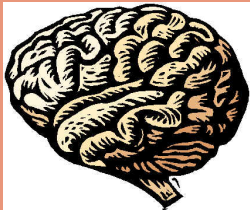
"The two heads of TRIO BAS DUO air sampler was one of the best investments during the last two years. The laboratory staff responsible of the bacteriological sampling is able to double the number of environmental microbial cycles per day. This means more efficiency and lower cost, together with the possibility to increase in the future the number of samplings during the day."

number of sampling in other areas of the premises."



Did you know Hardy Diagnostics
is 100% owned by its employees?

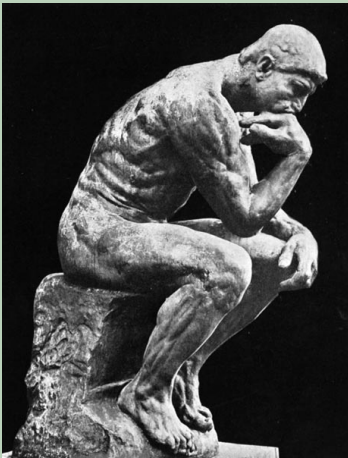
Brain teasers



Need an IQ booster?

[Exercise your brain here...](#)

Think about it...



- * I know there are lots of planes in the ocean, but how come there are no submarines in the sky?
- * Will the future be better tomorrow?
- * People are more violently opposed to fur than leather. Is that because it's safer to harass rich women than motorcycle gangs?
- * The nice thing about egotists is that they don't talk about other people.
- * The people who gave us golf and called it a game are the same people who gave us bagpipes and called it music."

Culturing for Anaerobes?

Do you perform colony counts?



Compact Dry

- o Self diffusing of sample - No spreader needed
- o Room temperature storage
- o Rigid plate with removable lid
- o Stackable plates to conserve space
- o Many media formulas available

[Learn more...](#)

[Request Samples](#) of Compact Dry



Now Available!

The Wizard is an automated Compact Dry plate reader that will perform colony counts within seconds!

[Find out more...](#)



Hardy's pre-reduced media will save you time while increasing your recovery rate.

[Learn more...](#)

[See the complete mini catalog](#) of Anaerobic Bacteriology supplies.

[Request pricing and/or samples.](#)

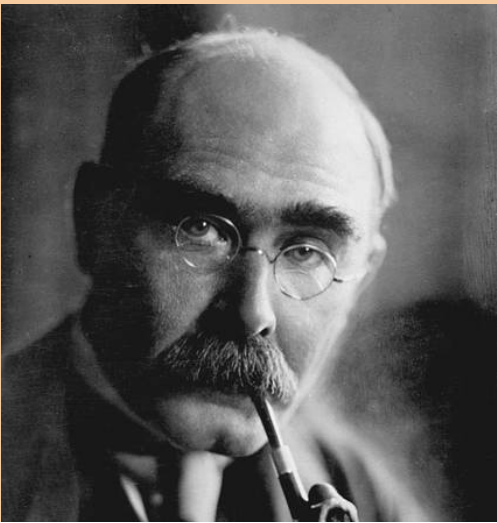
*Subscribe to our
YouTube Channel!*

Learn about all the innovative
Hardy products
to help you save time and money!



[Click here](#)

Wisdom to Ponder...



* * * * *



*Hand Sanitizers Fail
With Flu Virus!*

A recent study in Japan showed that when the influenza virus is surrounded by mucus, as it would be with a cough or sneeze, ethanol-based hand sanitizers were ineffective at killing the virus after two minutes of exposure. Alternatively, simple hand washing, even without soap, was effective at neutralizing the virus.

The alcohol sanitizers were effective only when exposed to wet mucus for four minutes, or when the mucus had completely dried.

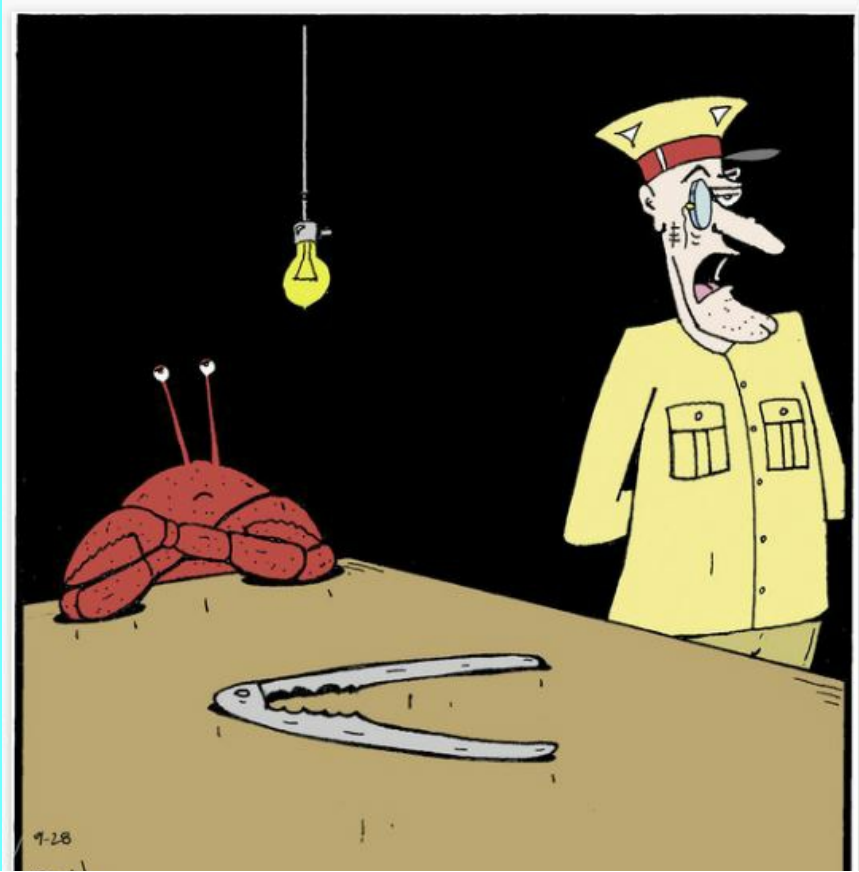
It appears that the alcohol cannot quickly penetrate fresh mucus, and therefore cannot be relied on to be effective against the flu virus.

This goes against the recommendations of the CDC and the WHO to rub hands with the sanitizer for only 15 to 30 seconds. This study reminds us that our most useful weapon against disease transmission is still hand washing with soap and water!

Ref: 1

* * *

RUBES





Rudyard Kipling

1895 ~ 1936

English journalist, short-story writer, poet, and novelist. He was born in India, which inspired much of his work. He wrote he books such as "The Jungle Book," "Kim," "The Man Who Would be Kin," and the poems, "Mandalay," "If," and "Gunga Din."

"Never look backwards or you'll fall down the stairs."

"If you can keep your wits about you while all others are losing theirs and blaming you, the world will be yours and everything in it; what's more, you'll be a man, my son."

"I always prefer to believe the best of everybody; it saves so much trouble."

"God could not be everywhere, and therefore, he made mothers."

"I keep six honest serving men (they taught me all I know); Their names are What and Why and When And How And Where and Who."

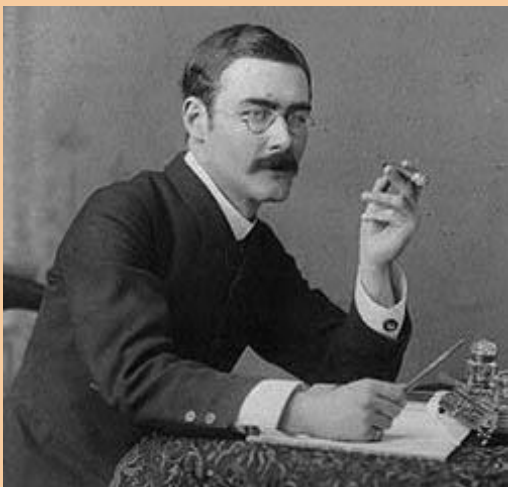
"This is a brief life, but in its brevity, it offers us some splendid moments, some meaningful adventures."

"Of all the liars in the world, sometimes the worst are our fears."

"If you can meet success and failure and treat them as impostors, then you are a balanced man, my son."

"If you give someone more than they can do, they will do it. If you give them only what they can do, they will do nothing."

"I am by nature a dealer in words, and words are the most powerful drug known to humanity."



* * *

Online Ordering Made Easy!



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

Warning:

PUN ZONE AHEAD



~ Now I know that writing with a broken pencil is pointless!

~ Need an Ark to save two of every kind of animal?
I noah guy.

~ Atheism is a non-prophet organization.

~ A young boy swallowed some coins and was taken to the ER. When his grandmother called to ask how he was doing, the nurse replied, "No change yet."

~Two hats were hanging on a hat rack in the hallway. One hat says to the other, "You stay here; I'll go on a head."

~ I once tried wearing skinny jeans, but I could never quite pull it off.

#



[Watch](#) a short video
to learn how easy it is
to order from Hardy on-line!

*Pick. . . Click. . .
And your order is on its way!*

* * *

Over 250 formulas that are used
by thousands of labs daily.

[Watch a short video](#) about CRITERION's features.

[Learn more about CRITERION](#) powdered culture media.

[Request for a free two liter sample for your lab.](#)

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 39th year of serving microbiologists.
- Manufactures from two ISO certified factories; one in California and one in Ohio.
- 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 80 distributors.
- Is a 100% Employee Owned company. *"If we act like we own the place...it's because we do!"*



View our [Corporate Profile](#).

See the [Company Video](#).

Send a [message to the president](#).



Exactly what is in
our vaccines?

The administration of vaccines has become an extremely controversial subject recently. While many accusations are being made, it would be helpful to know exactly what the components of these vaccines are.

[Click here](#) to find out...



You will find that thimerosal (containing ethyl-mercury) can be found in most multi-use flu vaccine vials. However, the single use vials generally do not contain thimerosal.

The WHO supports the use of thimerosal in vaccines. [Reference](#).



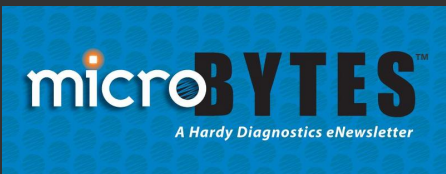
QUICK LINKS...

[Our Website](#)
[Our Products](#)

Some things never change!

"I see no hope for the future of our people if they

[Company History](#)
[More About Us](#)
[Our Videos](#)
[Contact a Rep](#)
[View MicroBytes Archives](#)
[Featured Products](#)



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

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

"As Hardy Diagnostics approaches its 40th 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?"

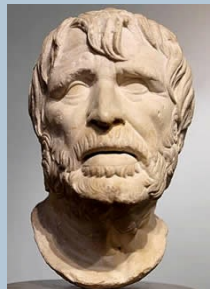
Jay Hardy, CLS, SM(NRCM)
President
HARDY DIAGNOSTICS

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



*are dependent on the frivolous youth of today;
for certainly all youth are reckless beyond
words.*

*When I was a boy, we were taught to be
discrete and respectful of elders, but the present
youth are exceedingly wise and impatient of
restraint."*



Hesiod, Greek Poet, 8th century BC



For your ordering convenience!

Available at
amazon

Did you know that of the 2,700 products that Hardy makes, 700 of them are now available on Amazon?



[Discover some of them here...](#)



*Sometimes we act like we own the place...
Because we do!*

