

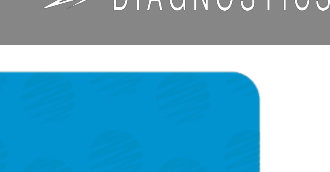
SHARE:



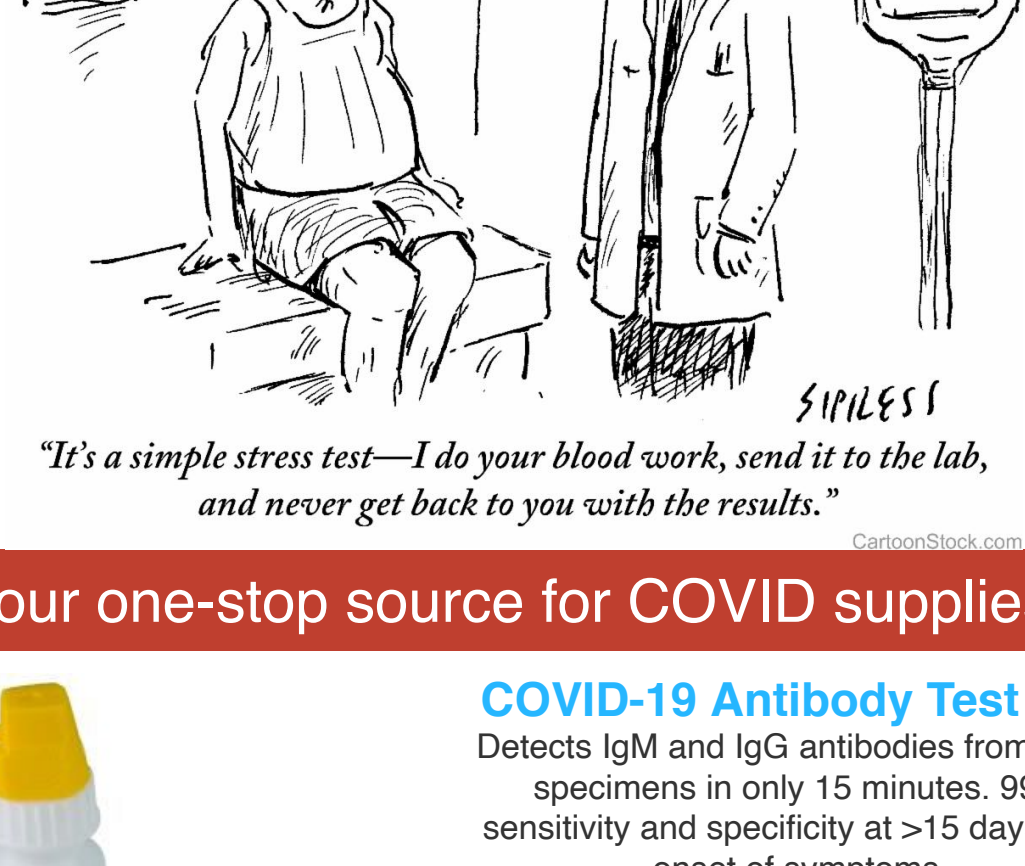
[Join Our Email List](#)



a microbiology newsletter - August, 2020
Copyright 2020, all rights reserved

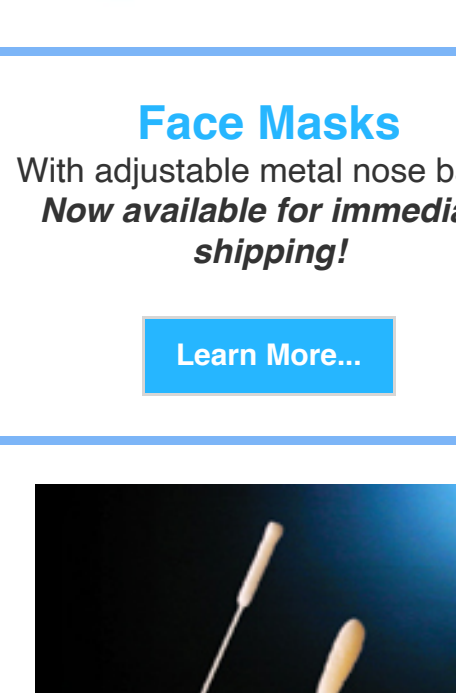


microBYTES



CartoonStock.com

Your one-stop source for COVID supplies!



COVID-19 Antibody Test Kits

Detects IgM and IgG antibodies from blood specimens in only 15 minutes. 99% sensitivity and specificity at >15 days after onset of symptoms.

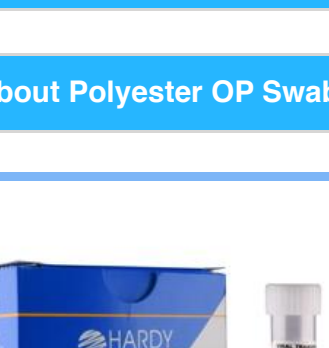
No equipment required. EUA approved.

[Learn More...](#)

[Complete COVID Supply Catalog](#)

Face Masks

With adjustable metal nose band.
Now available for immediate shipping!



[Learn More...](#)

Specimen Collection Swabs

Hardy offers swabs in the flocked, foam, and spun polyester formats. Pick from nasopharyngeal, oropharyngeal, standard, or urethral.

Available for immediate shipping!

[More About Flocked NP Swabs...](#)

[More About Polyester OP Swabs...](#)

Viral Transport Medium

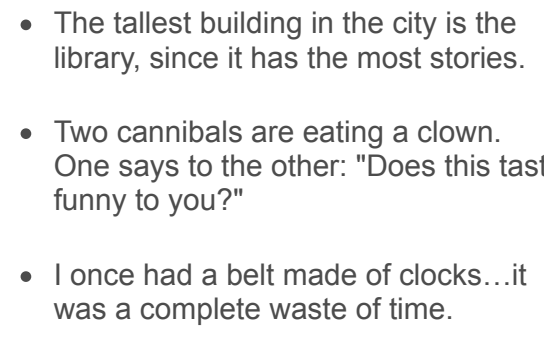
Hardy's viral specimen transport is ideal for COVID-19 antigen testing. The shelf life has been increased to 120 days at room temperature. Swabs are sold separately.



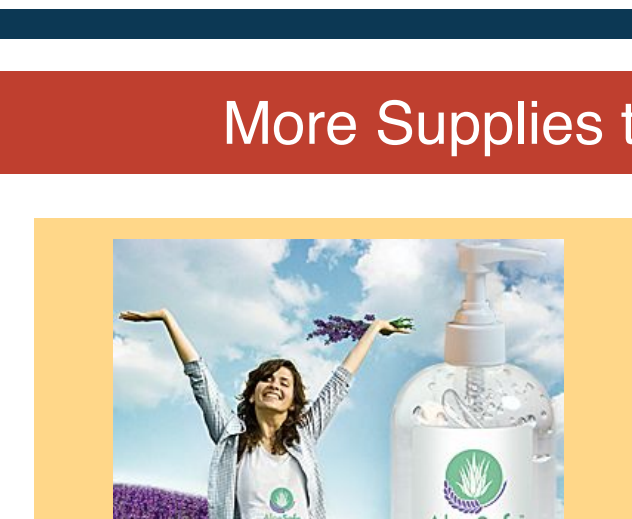
[Learn More...](#)

Can you control your weight with probiotics?

[Find out here...](#)



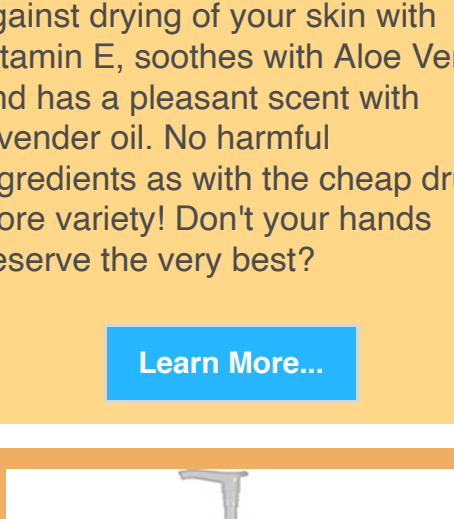
WARNING: PUN ZONE AHEAD



Doctor: Hurry up and tell me who's next!
Nurse: You have no patients.
Doctor: Shut up and just tell me who's next!

- Why did the boy sell his vacuum cleaner? All it did was collect dust.
- The tallest building in the city is the library, since it has the most stories.
- Two cannibals are eating a clown. One says to the other: "Does this taste funny to you?"
- I once had a belt made of clocks...it was a complete waste of time.
- Will glass coffins ever be popular? Remains to be seen.

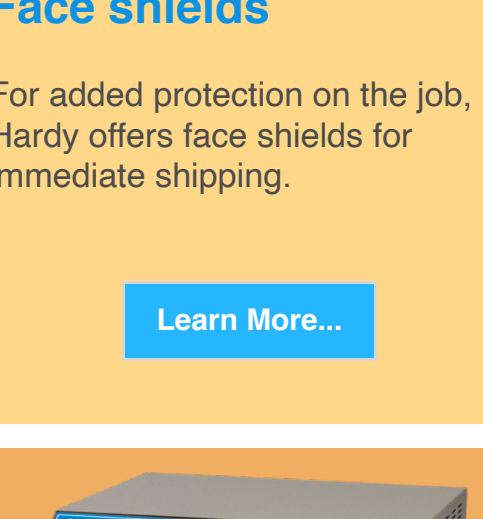
More Supplies to Keep You Safe



AloeSafe

Hardy's hand sanitizing gel guards against drying of your skin with Vitamin E, soothes with Aloe Vera, and has a pleasant scent with lavender oil. No harmful ingredients as with the cheap drug store variety! Don't your hands deserve the very best?

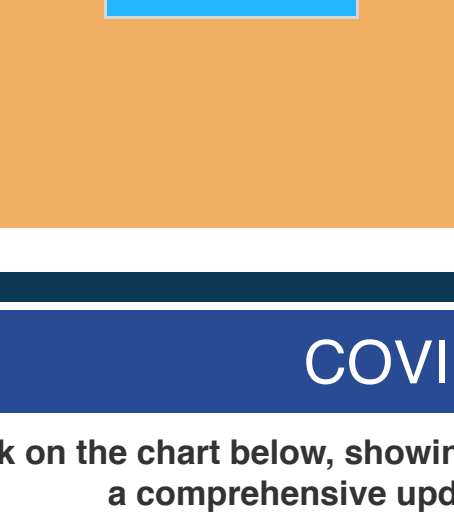
[Learn More...](#)



Face shields

For added protection on the job, Hardy offers face shields for immediate shipping.

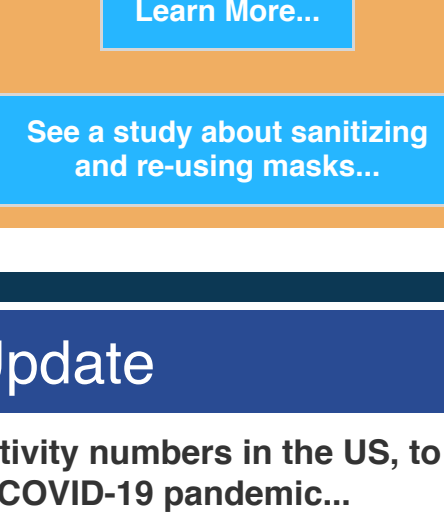
[Learn More...](#)



Hand Sanitizer

In a spray bottle. Now includes hydrogen peroxide in an alcohol base for greater killing power. Available for immediate shipping!

[Learn More...](#)



UV Chamber

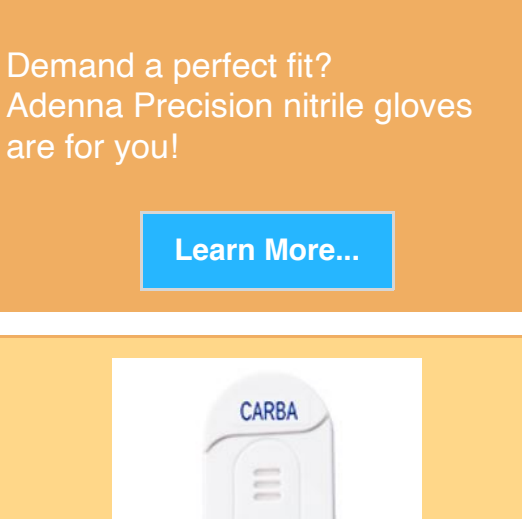
Now you can sanitize your valuable N95 masks to make them last longer. Never run out again! Sanitizes four masks in only four minutes!

[Learn More...](#)

[See a study about sanitizing and re-using masks...](#)

COVID-19 Update

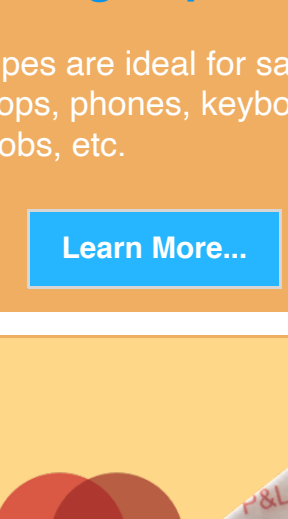
Click on the chart below, showing the infectivity numbers in the US, to view a comprehensive update on the COVID-19 pandemic...



Nitrile Gloves

Demand a perfect fit? Adenna Precision nitrile gloves are for you!

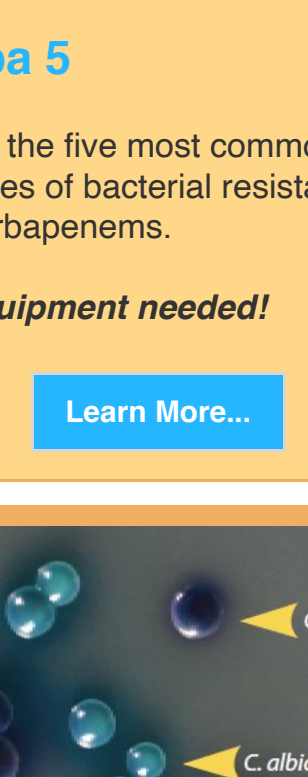
[Learn More...](#)



Sanitizing Wipes

CaviWipes are ideal for sanitizing benchtops, phones, keyboards, doorknobs, etc.

[Learn More...](#)

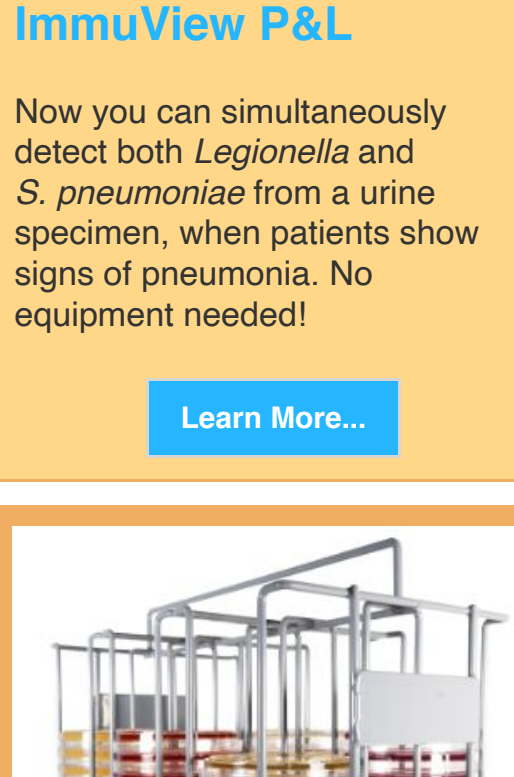


Carba 5

Detect the five most common enzymes of bacterial resistance to the carbapenems.

No equipment needed!

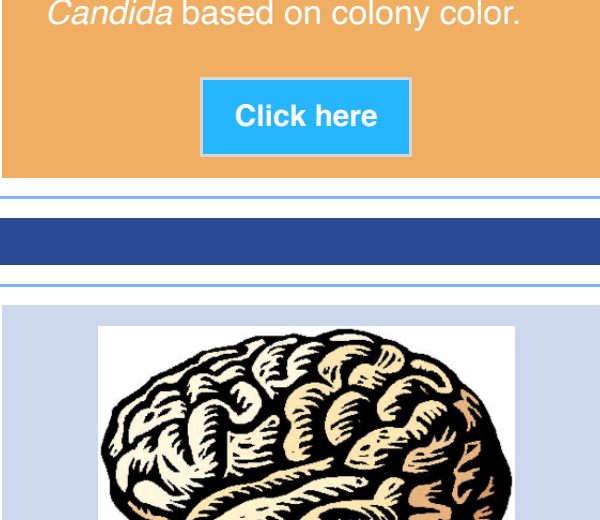
[Learn More...](#)



ImmuView P&L

Now you can simultaneously detect both *Legionella* and *S. pneumoniae* from a urine specimen, when patients show signs of pneumonia. No equipment needed!

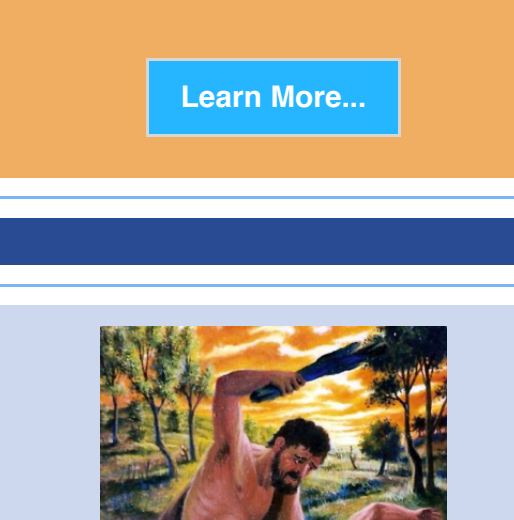
[Learn More...](#)



HardyCHROM Candida

A chromogenic plate to help you quickly and reliably detect and identify different species of *Candida* based on colony color.

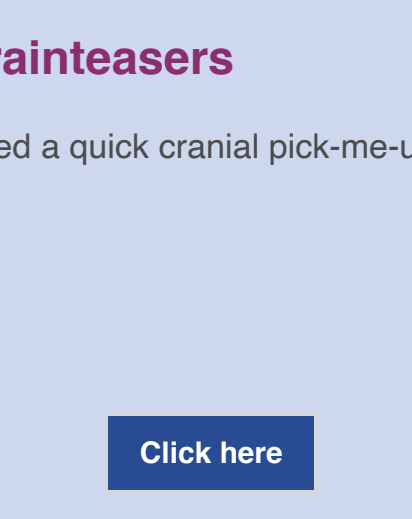
[Click here](#)



The DuraRack

It just doesn't get any more durable than this. The DuraRack is the last Petri plate rack you will ever have to buy!

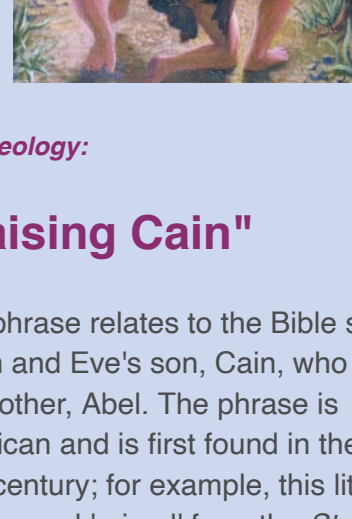
[Learn More...](#)



Brainteasers

Need a quick cranial pick-me-up?

[Click here](#)



Phraseology:

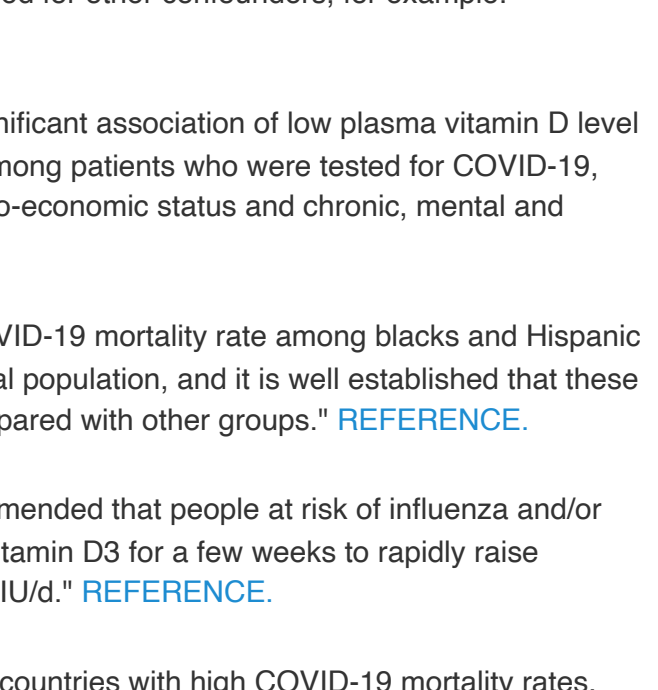
"Raising Cain"

This phrase relates to the Bible story of Adam and Eve's son, Cain, who killed his brother, Abel. The phrase is American and is first found in the early 19th century; for example, this little pun on the word 'raised' from the *St. Louis' Daily Pennant*, May 1840: "Why have we every reason to believe that Adam and Eve were both rowdies? Because they both raised Cain."

Vitamin D A neglected option of treatment and prevention of COVID-19 infections

Below are quotes from numerous studies showing that Vitamin D can be useful in the battle against COVID-19 infections.

"Several groups of researchers from different countries have found that the sickest patients often have the lowest levels of vitamin D, and that countries with higher death rates had larger numbers of people with vitamin D deficiency than countries with lower death rates." [REFERENCE.](#)



"Participants positive for COVID-19 were 50% more likely to have low vs normal 25(OH)D levels in a multivariate analysis that controlled for other confounders, for example." [REFERENCE.](#)

"The main finding of our study was the significant association of low plasma vitamin D level with the likelihood of COVID-19 infection among patients who were tested for COVID-19, even after adjustment for age, gender, socio-economic status and chronic, mental and physical disorders." [REFERENCE.](#)

"In the United States, for example, the COVID-19 mortality rate among blacks and Hispanic Americans is higher than among the general population, and it is well established that these groups have lower levels of vitamin D, compared with other groups." [REFERENCE.](#)

"To reduce the risk of infection, it is recommended that people at risk of influenza and/or COVID-19 consider taking 10,000 IU/d of vitamin D3 for a few weeks to rapidly raise 25(OH)D concentrations, followed by 5000 IU/d." [REFERENCE.](#)

"The researchers noted that patients from countries with high COVID-19 mortality rates, such as Italy, Spain and the UK, had lower levels of vitamin D compared to patients in countries that were not as severely affected." [REFERENCE.](#)

"Another recent Indonesian retrospective cohort study of 780 Covid-19 patients indicated that the majority of death cases had below-normal vitamin D levels and that vitamin D status was strongly associated with Covid-19 mortality." [REFERENCE.](#)

"In the meta-analysis, vitamin D supplementation has been shown as safe and effective against acute respiratory tract infections. Thus, people who are at higher risk of vitamin D deficiency during this global pandemic should consider taking vitamin D supplements to maintain the circulating 25(OH)D in the optimal levels (75-125nmol/L)." [REFERENCE.](#)

"Vitamin D deficiency that is not sufficiently treated is associated with COVID-19 risk." [REFERENCE.](#)

"We concluded that the daily supplementation of 2000-5000 IU/day of vitamin D3 in older adults with PD (Parkinson's Disease) has the potential to slow the progression of PD while also potentially offering additional protection against COVID-19." [REFERENCE.](#)

"Vitamin D proved to interact both with the innate immune system, by activating Toll-like receptors (TLRs) or increasing the levels of cathelicidins and β -defensins, and adaptive immune system, by reducing immunoglobulin secretion by plasma cells and pro-inflammatory cytokine production, thus modulating T cell function." [REFERENCE.](#)

As you can see from the references above, there is solid evidence that Vitamin D supplementation is warranted in order to decrease the severity of COVID-19 infections. So the question is: Why is the media largely ignoring this research that could potentially save many lives?

During our 40 years of serving the microbiology community, we have continually aimed to provide the utmost in "a culture of service" for our valued customers. As a 100% employee owned company, we have even more incentive to please our customers as best we can every day. Do you have a suggestion or comment? Please contact me [here](#).

Jay Hardy, CLS, SM (NRCM)
CEO of Hardy Diagnostics

Contact us: HARDY DIAGNOSTICS
1430 West McCoy Lane
Santa Maria, CA 93455
sales@HardyDiagnostics.com
www.HardyDiagnostics.com

Connect with us
[f](#) [t](#) [p](#)