

```
[et_pb_section bb_built="1" admin_label="section"][et_pb_row background_position="top_left" background_repeat="repeat" background_size="initial"][et_pb_column type="4_4"][et_pb_text background_layout="light" text_orientation="left" border_style="solid" custom_padding="||20px|" background_position="top_left" background_repeat="repeat" background_size="initial" _builder_version="3.0.64"]
```

DRG Laboratory provides the latest cutting edge, state-of-the-art [PCR](#) based diagnostic testing available to medical practitioners. Our testing is so sensitive and exquisitely specific that it can detect a single copy of genomic [DNA](#). We test for over two dozen bacteria, parasites, fungi, and health risk markers. When you order this life altering test you will receive a complete, easy to use collection kit that you return, postage-paid, with your specimen. We process your specimen as soon as it is received in our state-of-the-art facility and provide your test results directly to your physician usually within a few business days.

```
[/et_pb_text][et_pb_divider color="#2964b2" show_divider="on" divider_style="solid" divider_position="top" hide_on_mobile="on" /][et_pb_text admin_label="blog post scroller" background_layout="light" text_orientation="left" use_border_color="off" border_color="#ffffff" border_style="solid" background_position="top_left" background_repeat="repeat" background_size="initial"]
```

## Latest News



### Antibiotic Resistance Gene Testing

by DRG Staff At DRG Laboratory, we take [antibiotic resistance](#) seriously. We test for antibiotic drug resistance gene characteristics to the following: [View sample reports, video and ...](#)

[Read More](#)

Test Name	Result	Reference Range	Interpretation
Carbapenemase (KPC)	Not Detected	0	Pass
Carbapenemase (KPC) 2	Not Detected	0	Pass
Carbapenemase (KPC) 3	Not Detected	0	Pass
Carbapenemase (KPC) 4	Not Detected	0	Pass
Carbapenemase (KPC) 5	Not Detected	0	Pass
Carbapenemase (KPC) 6	Not Detected	0	Pass
Carbapenemase (KPC) 7	Not Detected	0	Pass
Carbapenemase (KPC) 8	Not Detected	0	Pass
Carbapenemase (KPC) 9	Not Detected	0	Pass
Carbapenemase (KPC) 10	Not Detected	0	Pass
Carbapenemase (KPC) 11	Not Detected	0	Pass
Carbapenemase (KPC) 12	Not Detected	0	Pass
Carbapenemase (KPC) 13	Not Detected	0	Pass
Carbapenemase (KPC) 14	Not Detected	0	Pass
Carbapenemase (KPC) 15	Not Detected	0	Pass
Carbapenemase (KPC) 16	Not Detected	0	Pass
Carbapenemase (KPC) 17	Not Detected	0	Pass
Carbapenemase (KPC) 18	Not Detected	0	Pass
Carbapenemase (KPC) 19	Not Detected	0	Pass
Carbapenemase (KPC) 20	Not Detected	0	Pass
Carbapenemase (KPC) 21	Not Detected	0	Pass
Carbapenemase (KPC) 22	Not Detected	0	Pass
Carbapenemase (KPC) 23	Not Detected	0	Pass
Carbapenemase (KPC) 24	Not Detected	0	Pass
Carbapenemase (KPC) 25	Not Detected	0	Pass
Carbapenemase (KPC) 26	Not Detected	0	Pass
Carbapenemase (KPC) 27	Not Detected	0	Pass
Carbapenemase (KPC) 28	Not Detected	0	Pass
Carbapenemase (KPC) 29	Not Detected	0	Pass
Carbapenemase (KPC) 30	Not Detected	0	Pass
Carbapenemase (KPC) 31	Not Detected	0	Pass
Carbapenemase (KPC) 32	Not Detected	0	Pass
Carbapenemase (KPC) 33	Not Detected	0	Pass
Carbapenemase (KPC) 34	Not Detected	0	Pass
Carbapenemase (KPC) 35	Not Detected	0	Pass
Carbapenemase (KPC) 36	Not Detected	0	Pass
Carbapenemase (KPC) 37	Not Detected	0	Pass
Carbapenemase (KPC) 38	Not Detected	0	Pass
Carbapenemase (KPC) 39	Not Detected	0	Pass
Carbapenemase (KPC) 40	Not Detected	0	Pass
Carbapenemase (KPC) 41	Not Detected	0	Pass
Carbapenemase (KPC) 42	Not Detected	0	Pass
Carbapenemase (KPC) 43	Not Detected	0	Pass
Carbapenemase (KPC) 44	Not Detected	0	Pass
Carbapenemase (KPC) 45	Not Detected	0	Pass
Carbapenemase (KPC) 46	Not Detected	0	Pass
Carbapenemase (KPC) 47	Not Detected	0	Pass
Carbapenemase (KPC) 48	Not Detected	0	Pass
Carbapenemase (KPC) 49	Not Detected	0	Pass
Carbapenemase (KPC) 50	Not Detected	0	Pass

### ANNOUNCEMENT: DRG Laboratory Releases New Report Format

by DRG Laboratory Staff DRG Laboratory is happy to announce our new report format. It has a new header with better readability. There is a new column ...

[Read More](#)



### **Calprotectin is an excellent way to determine IBD in pediatric patients**

by Bernadette M. Mandes Wildemore New work has confirmed [calprotectin](#) (which is tested for here at DRG Laboratory) in the diagnosis of inflammatory bowel disease ...

[Read More](#)



### **New Human Organ Has Been Classified - Mesentery**

by Bernadette M. Mandes Wildemore A New Year and a new organ! Hello and Happy New Year to everyone! Most of the time when I post ...

[Read More](#)



### **Some Potential Good News (or Lack of Bad News) for PPI Users**

by Bernadette M. Mandes Wildemore If you have been following any of my recent entries to this blog, you may know that proton pump ...

[Read More](#)

<b>Iron absorption</b>	
<b>Factors favouring absorption</b>	<b>Factors reducing absorption</b>
inorganic iron	inorganic iron
Iron (Fe <sup>2+</sup> )	Ferric form (Fe <sup>3+</sup> )
3, vit. C	<b>Alkalis</b> – antacids, pancreatic secretions
NSAIDs (aspirin, ibuprofen)	Protein-binding agents – phthalates, phosphates
acidic	Iron excess
Diets	Decreased erythropoiesis
Iron deficiency	Infections
Iron deficiency anemia	Toxins
Iron deficiency anemia	

### **Acid Suppression Therapy and Iron Deficiency**

by Bernadette M. Mandes Wildemore Many patients who suffer with gastroesophageal reflux disease (GERD) take medication to help suppress the production of acid in their ...

[Read More](#)



### **OpenBiome Now Allows Storing Your Stool in Case of C. difficile Infection**

by Bernadette M. Mandes Wildemore Just as many new families are being given the option to 'bank' their new baby's cord blood for potential later ...

[Read More](#)



### **Action without antibiotic information risks patient health**

NO Antibiotic has a 100% success rate, NONE. Some protocols like PrevPac are less than 70% effective so how do you decide what drug(s) ...

[Read More](#)



### **Do Proton Pump Inhibitors Increase Risk for Community-Acquired Pneumonia?**

by Bernadette M. Mandes Wildemore Many patients with gastroesophageal reflux disease are treated with medications such as proton pump inhibitors (PPI) to help with the ...

[Read More](#)

## Javascript enabled browser.

```
[/et_pb_text][et_pb_column][et_pb_row][et_pb_row admin_label="row"
background_position="top_left" background_repeat="repeat"
background_size="initial"][et_pb_column type="2_3"][et_pb_blog admin_label="Announcements"
fullwidth="on" posts_number="1" include_categories="11" show_thumbnail="on"
show_content="off" show_more="on" show_author="off" show_date="on" show_categories="off"
show_comments="off" show_pagination="off" offset_number="0" use_overlay="off"
background_layout="light" use_dropshadow="off" body_text_color="#dd3333"
use_border_color="off" border_color="#dd3333" border_style="outset" /][et_pb_text
background_layout="light" text_orientation="left" use_border_color="off" border_color="#ffffff"
border_style="solid" custom_padding="||20px|" background_position="top_left"
background_repeat="repeat" background_size="initial"]
```

## PCR: Polymerase chain reaction - it's DNA

"PCR is the best developed and most widely used nucleic acid amplification strategy. These techniques have sensitivity unparalleled in laboratory medicine; they have created new opportunities for the clinical laboratory to have an effect on patient care and have become the new "gold standards" for laboratory diagnosis of several infectious diseases."

*Manual of Clinical Microbiology*, 8th Edition, Vol. 1, page 235, 2003.

```
[/et_pb_text][et_pb_text background_layout="light" text_orientation="left" use_border_color="off"
border_color="#ffffff" border_style="solid" custom_padding="||20px|"
background_position="top_left" background_repeat="repeat" background_size="initial"]
```

## DNA doesn't lie...



The clinical microbiology laboratory is transitioning into the molecular age. From pathogens and antibiotic resistance identification to screening tests, molecular diagnostics are playing an increasingly important role in diagnosing infections and improving patient outcomes. Knowledge of the presence of a drug resistance gene is significant when considering a patient's treatment for a pathogenic infection.

```
[/et_pb_text][et_pb_text background_layout="light" text_orientation="left" use_border_color="off"
border_color="#ffffff" border_style="solid" background_position="top_left"
background_repeat="repeat" background_size="initial"]
```

## Tomorrow's Medicine Today

Many infectious agents missed by routine cultures, serological assays and Southern blot hybridizations can be detected by PCR. Therefore, PCR-based tests are best suited for the



clinical and epidemiological investigation of pathogenic bacteria and viruses. The limitations of culturing are: low sensitivities, inability to detect non-cultivable bacteria, time-

consuming aspects and low levels of reproducibility. Microscopy for parasites requires up to 3 samples and a high number of cells, 1000 to 5000 per gram for diagnosis. Even with the advent of antigen detection systems, there has long been uncertainty in diagnosis when no bacteria or parasites are found. And virus detection is not routinely available by



conventional labs. In contrast, PCR based assays require only 1 to 5 cells per gram of stool, are not limited by growth requirements, are very reproducible and have nearly 100% sensitivity and specificity. Making PCR the most sensitive method available.



```
[/et_pb_text][et_pb_column][et_pb_column type="1_3"][et_pb_code]<div class="panel"><div class="panel-heading"><h2>News and Updates</h2></div><div class="panel-body">[/et_pb_code][et_pb_code admin_label="Twitter Code"]<a class="twitter-timeline" href="https://twitter.com/drglab" data-widget-id="563829329860493312">Tweets by @drglab</a><script>!function(d,s,id){var js,fjs=d.getElementsByTagName(s)[0],p=/^http:/.test(d.location)?'http':'https';if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src=p+"://platform.twitter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script","twitter-wjs");</script>[/et_pb_code][et_pb_code admin_label="Newsfeed Code"]<div> <!-- start feedwind code --><script type="text/javascript">document.write("\x3Cscript type="text/javascript" src="" + ('https:' == document.location.protocol ? 'https://' : 'http://') + 'feed.mikle.com/js/rssmikle.js">\x3C/script>');</script><script type="text/javascript">(function(){var params = {rssmikle_url: "https://www.medicalnewstoday.com/rss/gastrointestinal.xml",rssmikle_frame_width: "336",rssmikle_frame_height: "420",frame_height_by_article: "0",rssmikle_target: "_blank",rssmikle_font: "Arial, Helvetica, sans-serif",rssmikle_font_size: "14",rssmikle_border: "on",responsive: "on",rssmikle_css_url: "https://drglab.com/custom-widget.css",text_align: "left",text_align2: "left",corner: "on",scrollbar: "on",autoscroll: "on",scrolldirection: "up",scrollstep: "3",mcspeed: "20",sort: "New",rssmikle_title: "on",rssmikle_title_sentence: "Gastrointestinal News",rssmikle_title_link: "",rssmikle_title_bgcolor: "#FFFFFF",rssmikle_title_color: "#292F33",rssmikle_title_bgimage: "",rssmikle_item_bgcolor: "#FFFFFF",rssmikle_item_bgimage: "",rssmikle_item_title_length: "45",rssmikle_item_title_color: "#292F33",rssmikle_item_border_bottom: "on",rssmikle_item_description: "on",item_link: "off",rssmikle_item_description_length: "100",rssmikle_item_description_color: "#292F33",rssmikle_item_date: "g11",rssmikle_timezone: "Etc/GMT",datetime_format: "%b %e, %Y
```

## Home

---

```
%l:%M %p",item_description_style: "text+tn",item_thumbnail: "full",item_thumbnail_selection:
"auto",article_num: "15",rsmikle_item_podcast: "off",keyword_inc: "",keyword_exc:
""};feedwind_show_widget_iframe(params);})();</script><a href="https://feed.mikle.com/"
target="_blank" style="text-align:right;color:#CCCCCC;font-size:10px;float:right;">RSS Feed
Widget</a><!--Please display the above link in your web page according to Terms of
Service.-></div><!-- end feedwind code -> <!-- newsfeed widget — end ->
</div>[/et_pb_code][et_pb_code]</div></div>[/et_pb_code][et_pb_column][et_pb_row][et_pb_secti
on]
```