



# Performance Report for: <https://novabiotics.co.uk/>

Report generated: Tue, Mar 12, 2024 8:22 AM -0700  
 Test Server Location: London, UK  
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

<b>A</b>	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	<b>98%</b>	<b>96%</b>	<b>974ms</b>	<b>0ms</b>	<b>0</b>

## Top Issues

Med	Use explicit width and height on image elements <small>CLS</small>	1 image found
Med-Low	Use a Content Delivery Network (CDN)	29 resources found
Low	Avoid an excessive DOM size <small>TBT</small>	496 elements
Low	Avoid enormous network payloads <small>LCP</small>	Total size was 1.09MB
Low	Avoid long main-thread tasks <small>TBT</small>	1 long task found

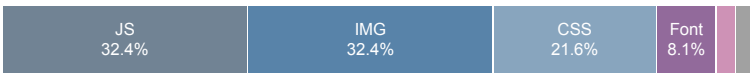
## Page Details



Total Page Size - 1.09MB



Total Page Requests - 37



HTML JS CSS IMG Video Font Other

### How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

### About GTmetrix

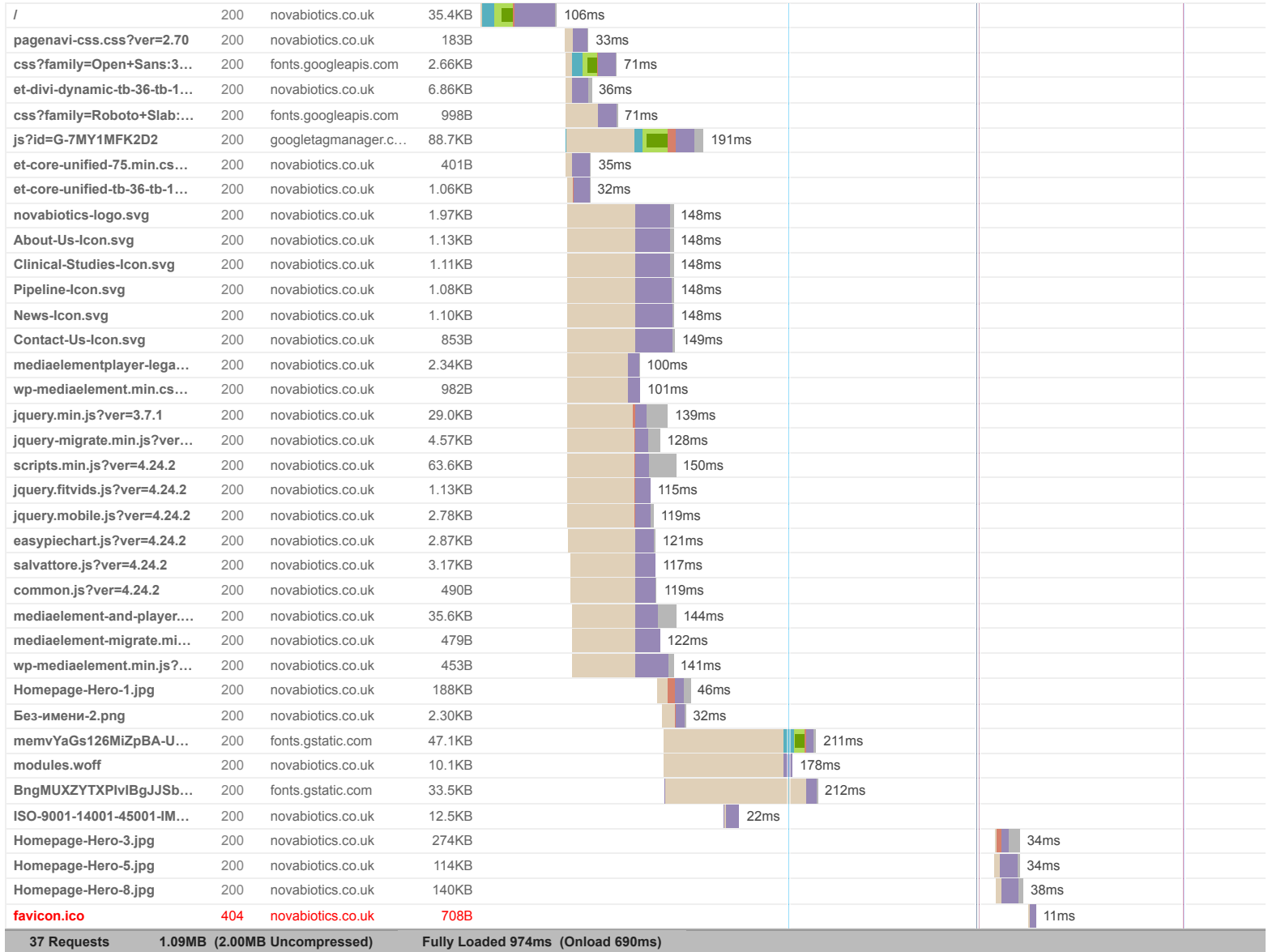


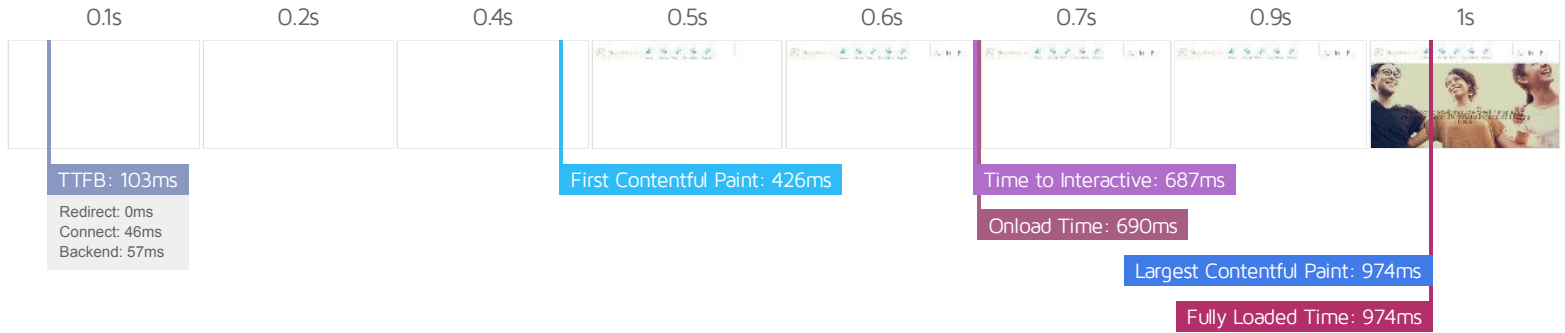
GTmetrix is developed by the good folks at Carbon60, a Canadian hosting company with over 28 years experience in web technology.

<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Welcome - NovaBiotics is a leading clinical-stage biotechnology company





### Performance Metrics

<p><b>First Contentful Paint</b></p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p><b>426ms</b></p>	<p><b>Time to Interactive</b></p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p><b>687ms</b></p>
<p><b>Speed Index</b></p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Good - Nothing to do here</p> <p><b>970ms</b></p>	<p><b>Total Blocking Time</b></p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p><b>0ms</b></p>
<p><b>Largest Contentful Paint</b></p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>Good - Nothing to do here</p> <p><b>974ms</b></p>	<p><b>Cumulative Layout Shift</b></p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p><b>0</b></p>

### Browser Timings

Redirect	0ms	Connect	46ms	Backend	57ms
TTFB	103ms	First Paint	426ms	DOM Int.	681ms
DOM Loaded	687ms	Onload	690ms	Fully Loaded	974ms

IMPACT AUDIT

**Low** **Reduce JavaScript execution time** TBT 216ms spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• <a href="https://novabiotics.co.uk/">https://novabiotics.co.uk/</a>	273ms	7ms	2ms
• Unattributable	184ms	19ms	0ms
• <a href="https://novabiotics.co.uk/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">https://novabiotics.co.uk/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>	75ms	63ms	1ms
• <a href="https://novabiotics.co.uk/wp-content/themes/Divi/js/scripts.min.js?ver=4.24.2">https://novabiotics.co.uk/wp-content/themes/Divi/js/scripts.min.js?ver=4.24.2</a>	73ms	61ms	4ms
• <a href="https://www.googletagmanager.com/gtag/js?id=G-7MY1MFK2D2">https://www.googletagmanager.com/gtag/js?id=G-7MY1MFK2D2</a>	56ms	51ms	4ms

**Low** **Reduce unused CSS** FCP LCP Potential savings of 19.0KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• @font-face{font-family:ETmodules;font-display:block;src:url(//novabiotics.co.uk/wp-content/themes/D...	20.4KB	19.0KB

**Low** **Serve images in next-gen formats** Potential savings of 351KB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

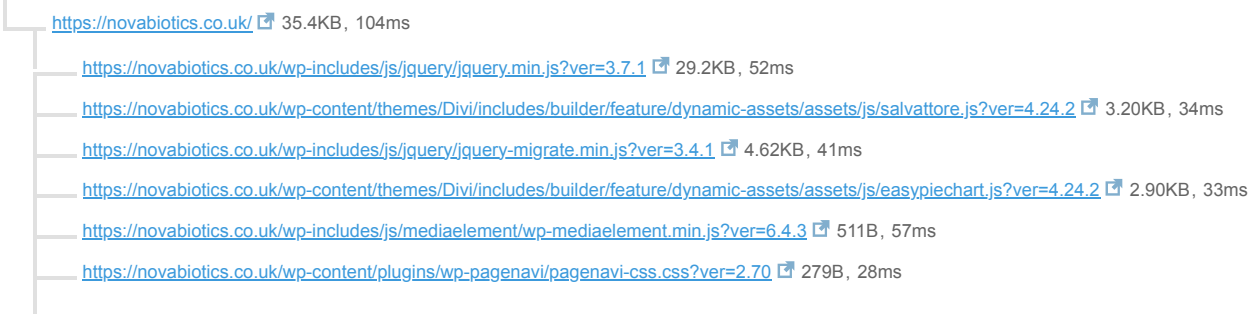
URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-3.jpg">https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-3.jpg</a>	274KB	127KB
<a href="https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-1.jpg">https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-1.jpg</a>	188KB	89.8KB
<a href="https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-8.jpg">https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-8.jpg</a>	140KB	73.5KB
<a href="https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-5.jpg">https://novabiotics.co.uk/wp-content/uploads/2020/03/Homepage-Hero-5.jpg</a>	114KB	61.1KB

**Low** **Avoid chaining critical requests** FCP LCP 18 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **466ms**

INITIAL NAVIGATION



- <https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3> 537B, 38ms
- <https://novabiotics.co.uk/wp-content/et-cache/75/et-core-unified-75.min.css?ver=1710156535> 435B, 30ms
- <https://novabiotics.co.uk/wp-content/themes/Divi/js/scripts.min.js?ver=4.24.2> 63.7KB, 62ms
- <https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.17> 2.39KB, 18ms
- <https://novabiotics.co.uk/wp-content/themes/Divi/includes/builder/feature/dynamic-assets/assets/js/jquery.mobile.js?ver=4.24.2> 2.82KB, 31ms
- <https://novabiotics.co.uk/wp-content/themes/Divi/core/admin/js/common.js?ver=4.24.2> 525B, 35ms
- <https://novabiotics.co.uk/wp-content/themes/Divi/core/admin/fonts/modules/social/modules.woff> 10.1KB, 13ms
- <https://novabiotics.co.uk/wp-content/themes/Divi/includes/builder/feature/dynamic-assets/assets/js/jquery.fitvids.js?ver=4.24.2> 1.17KB, 27ms
- <https://novabiotics.co.uk/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.4.3> 1.02KB, 17ms
- <https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17> 35.7KB, 61ms
- <https://fonts.googleapis.com/css?family=Open+Sans:300italic,400italic,600italic,700italic,800italic,400,300,600,700,800&subset=latin,latin-ext&display=swap> 2.66KB, 66ms
- <https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2> 47.6KB, 45ms
- <https://fonts.googleapis.com/css?family=Roboto+Slab:100,200,300,regular,500,600,700,800,900&subset=latin,latin-ext&display=swap> 998B, 67ms
- <https://fonts.gstatic.com/s/robotoslab/v34/BngMUXZYTXPlvIBgJJSb6ufN5qU.woff2> 33.7KB, 47ms

**Low** **Reduce unused JavaScript** LCP Potential savings of 109KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
<a href="https://www.googletagmanager.com/gtag/js?id=G-7MY1MFK2D2">https://www.googletagmanager.com/gtag/js?id=G-7MY1MFK2D2</a>	89.1KB	40.8KB
<a href="https://novabiotics.co.uk/wp-content/themes/Divi/js/scripts.min.js?ver=4.24.2">https://novabiotics.co.uk/wp-content/themes/Divi/js/scripts.min.js?ver=4.24.2</a>	63.7KB	39.5KB
<a href="https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17">https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17</a>	35.7KB	29.1KB

**N/A** **Largest Contentful Paint element** LCP 970 ms

This is the largest contentful element painted within the viewport.

**ELEMENT**

```
Developing novel, immune-based thera...
<div class="et_pb_slide et_pb_slide_0 et_pb_bg_layout_dark et_pb_media_alignment_cente..." data-slide-id="et_pb_slide_0" style="z-index: 2; display: none; opacity: 0;">
```

PHASE	% OF LCP	TIMING
TTFB	11%	103ms
Load Delay	15%	147ms
Load Time	4%	41ms
Render Delay	70%	681ms

**N/A** **Eliminate render-blocking resources** FCP LCP Potential savings of 0 ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
<a href="https://fonts.googleapis.com/css?family=Open+Sans:300italic,400italic,600italic,700italic,800italic,400,300,600,700,800&amp;subset=latin,latin-ext&amp;display=swap">https://fonts.googleapis.com/css?family=Open+Sans:300italic,400italic,600italic,700italic,800italic,400,300,600,700,800&amp;subset=latin,latin-ext&amp;display=swap</a>	2.66KB	783ms
<a href="https://fonts.googleapis.com/css?family=Roboto+Slab:100,200,300,regular,500,600,700,800,900&amp;subset=latin,latin-ext&amp;display=swap">https://fonts.googleapis.com/css?family=Roboto+Slab:100,200,300,regular,500,600,700,800,900&amp;subset=latin,latin-ext&amp;display=swap</a>	998B	155ms
<a href="https://novabiotics.co.uk/wp-content/et-cache/75/et-core-unified-75.min.css?ver=1710156535">https://novabiotics.co.uk/wp-content/et-cache/75/et-core-unified-75.min.css?ver=1710156535</a>	435B	157ms

N/A **Reduce initial server response time** FCP LCP Root document took 56ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
<a href="https://novabiotics.co.uk/">https://novabiotics.co.uk/</a>	56ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 7.95KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
<a href="https://novabiotics.co.uk/wp-content/themes/Divi/includes/builder/feature/dynamic-assets/assets/js/easy-piechart.js?ver=4.24.2">https://novabiotics.co.uk/wp-content/themes/Divi/includes/builder/feature/dynamic-assets/assets/js/easy-piechart.js?ver=4.24.2</a> Line:63 Column:1	7.90KB
<a href="https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17">https://novabiotics.co.uk/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17</a> Line:11 Column:12531	50B

N/A **Avoid large layout shifts** CLS 5 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
News and Events <li class="menu-home et_pb_menu_page_id-25 menu-item menu-item-type-custom menu-item-...">	0.00
News and Events <a href="/news-and-events/">	0.00
Contact Us <li class="et_pb_menu_page_id-30 menu-item menu-item-type-custom menu-item-object-cus...">	0.00
Pipeline <li class="et_pb_menu_page_id-29 menu-item menu-item-type-custom menu-item-object-cus...">	0.00
Contact Us <a href="/contact/">	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 698ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Other	243ms
Script Evaluation	226ms
Style & Layout	154ms
Parse HTML & CSS	41ms
Script Parsing & Compilation	16ms
Rendering	15ms

N/A **Reduce the impact of third-party code** TBT Total size was 174KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
<b>GOOGLE TAG MANAGER</b>	89.1KB	0ms
• <a href="https://www.googletagmanager.com/gtag/js?id=G-7MY1MFK2D2">https://www.googletagmanager.com/gtag/js?id=G-7MY1MFK2D2</a>	89.1KB	0ms
<b>GOOGLE FONTS</b>	84.9KB	0ms
• <a href="https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2">https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2</a>	47.6KB	0ms
• <a href="https://fonts.gstatic.com/s/robotoslab/v34/BngMUXZYTXPlvIBgJJSb6ufN5qU.woff2">https://fonts.gstatic.com/s/robotoslab/v34/BngMUXZYTXPlvIBgJJSb6ufN5qU.woff2</a>	33.7KB	0ms

No user timings and/or marks found.

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