



# Performance Report for: <https://biologic.com/>

Report generated: Tue, Mar 12, 2024 12:39 AM -0700  
 Test Server Location: London, UK  
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

<b>D</b>	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	<b>56%</b>	<b>87%</b>	<b>1.3s</b>	<b>175ms</b>	<b>0.9</b>

## Top Issues

High	<b>Avoid enormous network payloads</b> <small>LCP</small>	Total size was 15.8MB
Med	<b>Avoid large layout shifts</b> <small>CLS</small>	3 elements found
Low	<b>Avoid long main-thread tasks</b> <small>TBT</small>	5 long tasks found
Low	<b>Serve images in next-gen formats</b>	Potential savings of 651KB
Low	<b>Ensure text remains visible during webfont load</b> <small>FCP LCP</small>	2 fonts found

## Page Details



Total Page Size - 15.8MB



Total Page Requests - 32



Legend: 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

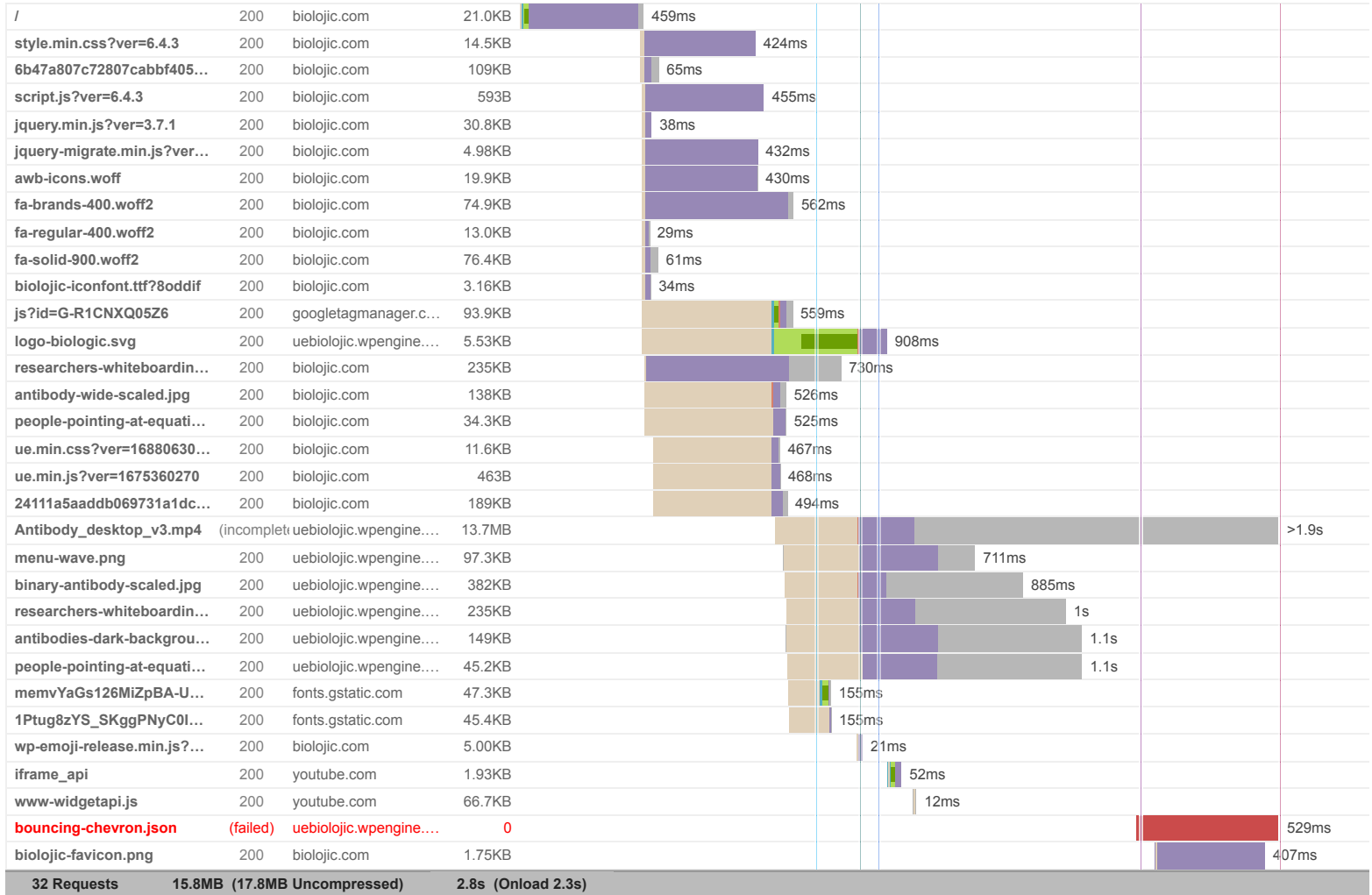
GTmetrix is developed by the good folks at **CARBON60**, a Canadian hosting company with over 28 years experience in web technology.

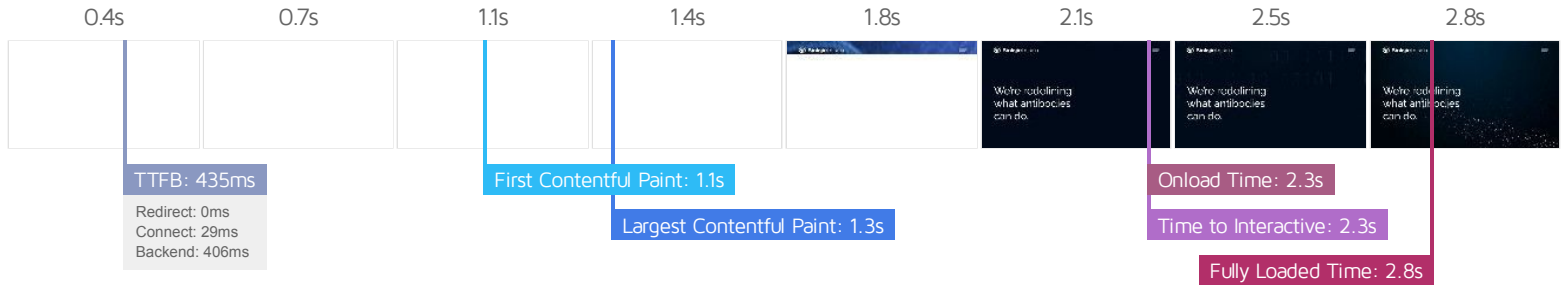


<https://carbon60.com/>

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.

Homepage | Biolojic Design





### 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>OK, but consider improvement</p> <p><b>1.1s</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>2.3s</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>Much longer than recommended</p> <p><b>4.9s</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>OK, but consider improvement</p> <p><b>175ms</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>OK, but consider improvement</p> <p><b>1.3s</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>Much more than recommended</p> <p><b>0.9</b></p>

### Browser Timings

Redirect	0ms	Connect	29ms	Backend	406ms
TTFB	435ms	First Paint	1.1s	DOM Int.	1.2s
DOM Loaded	1.3s	Onload	2.3s	Fully Loaded	2.8s

IMPACT AUDIT

Low

**Avoid an excessive DOM size** TBT

546 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		546
Maximum DOM Depth	Categories: <span class="fusion-meta-tb-label fusion-tb-categories-label">	24
Maximum Child Elements	body.home <body class="home page-template page-template-100-width page-template-100-width-php pag..." data-awb-post-id="27" style="--viewportWidth: 1367;">	8

Low

**Efficiently encode images**

Potential savings of 25.3KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://uebiolojic.wpengine.com/wp-content/uploads/2023/06/binary-antibody-scaled.jpg">https://uebiolojic.wpengine.com/wp-content/uploads/2023/06/binary-antibody-scaled.jpg</a>	382KB	17.7KB
<a href="https://uebiolojic.wpengine.com/wp-content/uploads/2023/06/antibodies-dark-background-scaled.jpg">https://uebiolojic.wpengine.com/wp-content/uploads/2023/06/antibodies-dark-background-scaled.jpg</a>	149KB	7.62KB

Low

**Reduce JavaScript execution time** TBT

343ms 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
• Unattributable	428ms	83ms	0ms
• <a href="https://biolojic.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">https://biolojic.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>	327ms	122ms	1ms
• <a href="https://biolojic.com/">https://biolojic.com/</a>	321ms	21ms	1ms
• <a href="https://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2</a>	72ms	45ms	14ms
• <a href="https://www.googletagmanager.com/gtag/js?id=G-R1CNXQ05Z6">https://www.googletagmanager.com/gtag/js?id=G-R1CNXQ05Z6</a>	53ms	47ms	5ms

Low

**Reduce unused CSS** FCP LCP

Potential savings of 128KB

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
<a href="https://biolojic.com/wp-content/uploads/fusion-styles/6b47a807c72807cabbf405f4411dd2b0.min.css?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-styles/6b47a807c72807cabbf405f4411dd2b0.min.css?ver=3.8.2</a>	109KB	102KB
<a href="https://biolojic.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3">https://biolojic.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3</a>	14.5KB	14.4KB
<a href="https://biolojic.com/wp-content/themes/ue/assets/css/ue.min.css?ver=1688063032">https://biolojic.com/wp-content/themes/ue/assets/css/ue.min.css?ver=1688063032</a>	11.6KB	11.2KB

**Low** **Reduce initial server response time** FCP LCP Root document took 405ms

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

URL	TIME SPENT
<a href="https://biolojic.com/">https://biolojic.com/</a>	405ms

**Low** **Defer offscreen images** Potential savings of 407KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://biolojic.com/wp-content/uploads/2023/06/researchers-whiteboarding-scaled.jpg">https://biolojic.com/wp-content/uploads/2023/06/researchers-whiteboarding-scaled.jpg</a>	235KB	235KB
<a href="https://biolojic.com/wp-content/uploads/2023/06/antibody-wide-scaled.jpg">https://biolojic.com/wp-content/uploads/2023/06/antibody-wide-scaled.jpg</a>	138KB	138KB
<a href="https://biolojic.com/wp-content/uploads/2023/01/people-pointing-at-equation.jpg">https://biolojic.com/wp-content/uploads/2023/01/people-pointing-at-equation.jpg</a>	34.1KB	34.1KB

**Low** **Avoid chaining critical requests** FCP LCP 9 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: **1.2s**

#### INITIAL NAVIGATION

<a href="https://biolojic.com/">https://biolojic.com/</a>	21.0KB, 456ms
<a href="https://biolojic.com/wp-content/themes/ue/assets/scripts/ue.min.js?ver=1675360270">https://biolojic.com/wp-content/themes/ue/assets/scripts/ue.min.js?ver=1675360270</a>	463B, 34ms
<a href="https://biolojic.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3">https://biolojic.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3</a>	14.5KB, 415ms
<a href="https://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2</a>	189KB, 59ms
<a href="https://biolojic.com/wp-content/plugins/shortcode-for-current-date/dist/script.js?ver=6.4.3">https://biolojic.com/wp-content/plugins/shortcode-for-current-date/dist/script.js?ver=6.4.3</a>	593B, 446ms
<a href="https://biolojic.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">https://biolojic.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>	30.8KB, 29ms
<a href="https://biolojic.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1">https://biolojic.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1</a>	4.98KB, 423ms
<a href="https://biolojic.com/wp-content/themes/ue/assets/css/ue.min.css?ver=1688063032">https://biolojic.com/wp-content/themes/ue/assets/css/ue.min.css?ver=1688063032</a>	11.6KB, 32ms
<a href="https://biolojic.com/wp-content/uploads/fusion-styles/6b47a807c72807cabbf405f4411dd2b0.min.css?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-styles/6b47a807c72807cabbf405f4411dd2b0.min.css?ver=3.8.2</a>	109KB, 56ms
<a href="https://fonts.gstatic.com/s/opensans/v35/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2">https://fonts.gstatic.com/s/opensans/v35/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2</a>	47.8KB, 40ms
<a href="https://fonts.gstatic.com/s/raleway/v28/1Ptug8zYS_SKggPNyC0ITw.woff2">https://fonts.gstatic.com/s/raleway/v28/1Ptug8zYS_SKggPNyC0ITw.woff2</a>	45.6KB, 40ms

**Low** **Reduce unused JavaScript** LCP Potential savings of 236KB

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://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2</a>	189KB	141KB
<a href="https://www.youtube.com/s/player/c48a9559/www-widgetapi.vflset/www-widgetapi.js">https://www.youtube.com/s/player/c48a9559/www-widgetapi.vflset/www-widgetapi.js</a>	67.0KB	52.3KB
<a href="https://www.googletagmanager.com/gtag/js?id=G-R1CNXQ05Z6">https://www.googletagmanager.com/gtag/js?id=G-R1CNXQ05Z6</a>	94.3KB	42.6KB

N/A **Largest Contentful Paint element** LCP 1,320 ms

This is the largest contentful element painted within the viewport.

#### ELEMENT

We're redefining what antibodies can do.

<p>

PHASE	% OF LCP	TIMING
TTFB	33%	437ms
Load Delay	0%	0ms
Load Time	0%	0ms
Render Delay	67%	886ms

N/A **Eliminate render-blocking resources** FCP LCP Potential savings of 19ms

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://biolojic.com/wp-content/uploads/fusion-styles/6b47a807c72807cabbf405f4411dd2b0.min.css?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-styles/6b47a807c72807cabbf405f4411dd2b0.min.css?ver=3.8.2</a>	109KB	600ms
<a href="https://biolojic.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1">https://biolojic.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1</a>	30.8KB	150ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 8.48KB

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://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2">https://biolojic.com/wp-content/uploads/fusion-scripts/24111a5aaddb069731a1dc129c321b3e.min.js?ver=3.8.2</a>	8.48KB
Line:13 Column:81700	<code>Array.prototype.filter</code>
Line:29 Column:9272	<code>@babel/plugin-transform-classes</code>

N/A **Minimize main-thread work** TBT Main-thread busy for 1.3s

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

CATEGORY	TIME SPENT
Other	424ms
Style & Layout	398ms
Script Evaluation	339ms
Parse HTML & CSS	70ms
Script Parsing & Compilation	27ms
Rendering	13ms

N/A

**Reduce the impact of third-party code** TBT

Total size was 14.9MB

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>WP ENGINE</b>	14.6MB	0ms
<ul style="list-style-type: none"> <li><a href="https://uebiolojic.wpengines.com/wp-content/uploads/2023/06/Antibody_desktop_v3.mp4">https://uebiolojic.wpengines.com/wp-content/uploads/2023/06/Antibody_desktop_v3.mp4</a></li> <li>Other resources</li> </ul>	13.7MB	0ms
<b>GOOGLE TAG MANAGER</b>	94.3KB	0ms
<ul style="list-style-type: none"> <li><a href="https://www.googletagmanager.com/gtag/js?id=G-R1CNXQ05Z6">https://www.googletagmanager.com/gtag/js?id=G-R1CNXQ05Z6</a></li> </ul>	94.3KB	0ms
<b>GOOGLE FONTS</b>	93.4KB	0ms
<ul style="list-style-type: none"> <li><a href="https://fonts.gstatic.com/s/opensans/v35/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2">https://fonts.gstatic.com/s/opensans/v35/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2</a></li> <li><a href="https://fonts.gstatic.com/s/raleway/v28/1Ptug8zYS_SKggPNyCOITw.woff2">https://fonts.gstatic.com/s/raleway/v28/1Ptug8zYS_SKggPNyCOITw.woff2</a></li> </ul>	47.8KB	0ms
<b>YOUTUBE</b>	68.9KB	0ms
<ul style="list-style-type: none"> <li><a href="https://www.youtube.com/s/player/c48a9559/www-widgetapi.vflset/www-widgetapi.js">https://www.youtube.com/s/player/c48a9559/www-widgetapi.vflset/www-widgetapi.js</a></li> </ul>	67.0KB	0ms

N/A

**User Timing marks and measures**

No user timings and/or marks found.