Performance Report for:
https://cellularorigins.com/

Report generated: Wed, Mar 13, 2024 4:01 AM -0700
Test Server Location: 🇬🇧 London, UK
Using: 🌐 Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance	Structure		L. Contentful Paint	T. Blocking Time	C. Layout Shift
	79%	86%		639ms	335ms	0

Top Issues

High	Avoid enormous network payloads LCP	Total size was 7.04MB
Med	Serve static assets with an efficient cache policy	Potential savings of 6.75MB
Med-Low	Use a Content Delivery Network (CDN)	17 resources found
Low	Avoid long main-thread tasks TBT	6 long tasks found
Low	Reduce JavaScript execution time TBT	532ms spent executing JavaScript

Page Details

1.8s
Fully Loaded Time

Total Page Size - 7.03MB

Video 6.73MB

Total Page Requests - 30

JS 26.7%	IMG 26.7%	Other 20%	CSS 13.3%	Font 6.7%	HTML 3.3%	Video 3.3%

🟪 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.**
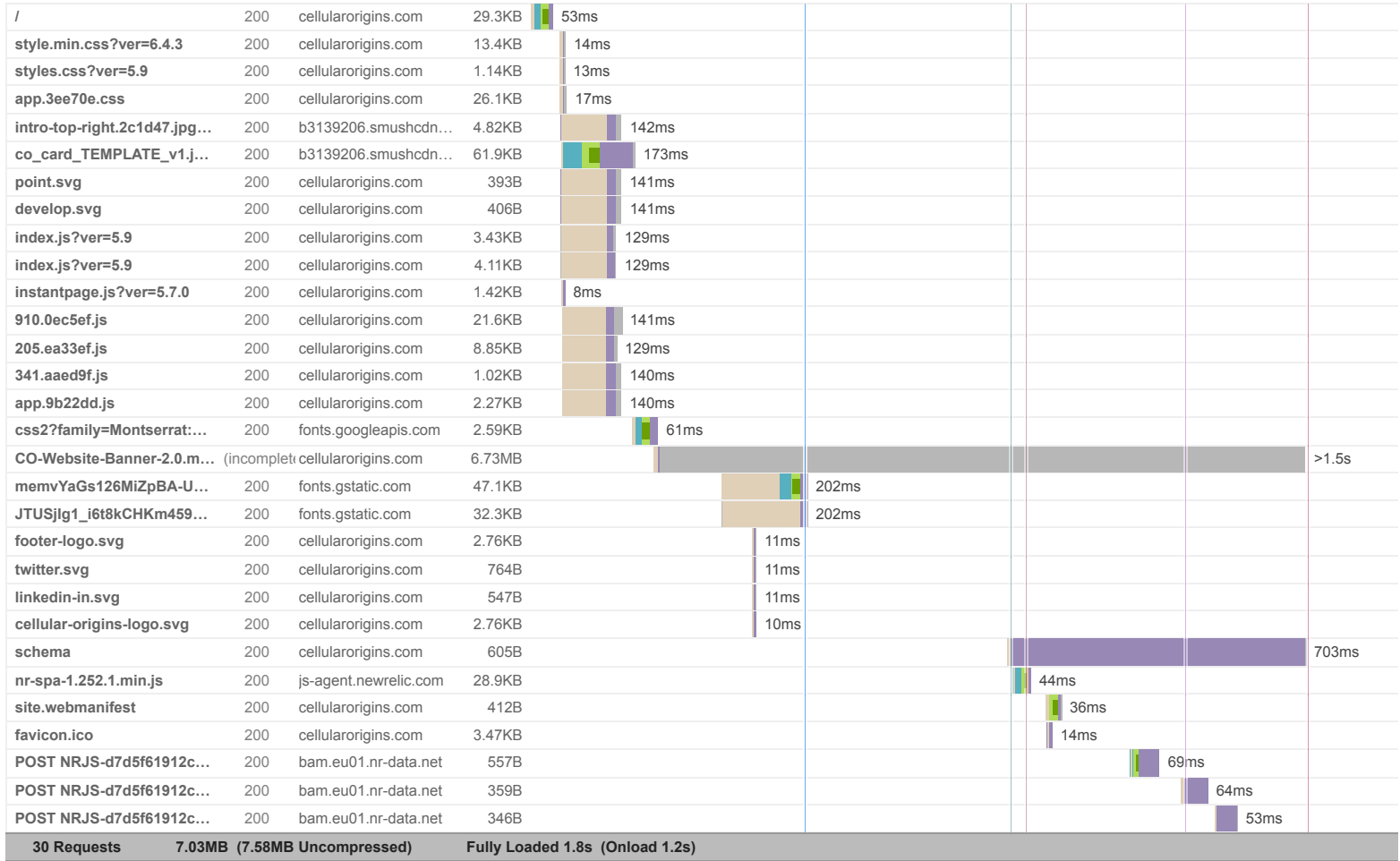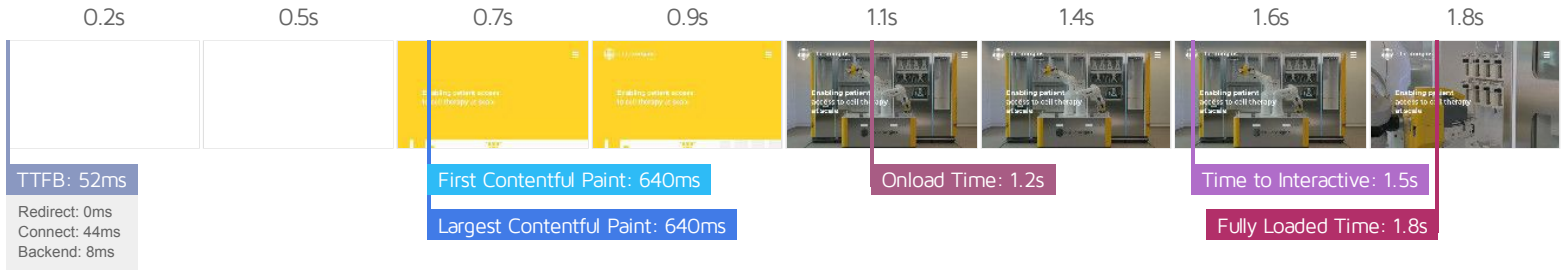
About GTmetrix

CARBON 60
THE MANAGED CLOUD COMPANY

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.

Home | Cellular Origins

File	Status	Domain	Size	Time
/	200	cellularorigins.com	29.3KB	53ms
style.min.css?ver=6.4.3	200	cellularorigins.com	13.4KB	14ms
styles.css?ver=5.9	200	cellularorigins.com	1.14KB	13ms
app.3ee70e.css	200	cellularorigins.com	26.1KB	17ms
intro-top-right.2c1d47.jpg...	200	b3139206.smushcdn...	4.82KB	142ms
co_card_TEMPLATE_v1.j...	200	b3139206.smushcdn...	61.9KB	173ms
point.svg	200	cellularorigins.com	393B	141ms
develop.svg	200	cellularorigins.com	406B	141ms
index.js?ver=5.9	200	cellularorigins.com	3.43KB	129ms
index.js?ver=5.9	200	cellularorigins.com	4.11KB	129ms
instantpage.js?ver=5.7.0	200	cellularorigins.com	1.42KB	8ms
910.0ec5ef.js	200	cellularorigins.com	21.6KB	141ms
205.ea33ef.js	200	cellularorigins.com	8.85KB	129ms
341.aaed9f.js	200	cellularorigins.com	1.02KB	140ms
app.9b22dd.js	200	cellularorigins.com	2.27KB	140ms
css2?family=Montserrat:...	200	fonts.googleapis.com	2.59KB	61ms
CO-Website-Banner-2.0.m...	(incomplete)	cellularorigins.com	6.73MB	>1.5s
memvYaGs126MiZpBA-U...	200	fonts.gstatic.com	47.1KB	202ms
JTUSjIg1_i6t8kCHKm459...	200	fonts.gstatic.com	32.3KB	202ms
footer-logo.svg	200	cellularorigins.com	2.76KB	11ms
twitter.svg	200	cellularorigins.com	764B	11ms
linkedin-in.svg	200	cellularorigins.com	547B	11ms
cellular-origins-logo.svg	200	cellularorigins.com	2.76KB	10ms
schema	200	cellularorigins.com	605B	703ms
nr-spa-1.252.1.min.js	200	js-agent.newrelic.com	28.9KB	44ms
site.webmanifest	200	cellularorigins.com	412B	36ms
favicon.ico	200	cellularorigins.com	3.47KB	14ms
POST NRJS-d7d5f61912c...	200	bam.eu01.nr-data.net	557B	69ms
POST NRJS-d7d5f61912c...	200	bam.eu01.nr-data.net	359B	64ms
POST NRJS-d7d5f61912c...	200	bam.eu01.nr-data.net	346B	53ms

30 Requests   7.03MB (7.58MB Uncompressed)   Fully Loaded 1.8s (Onload 1.2s)

0.2s   0.5s   0.7s   0.9s   1.1s   1.4s   1.6s   1.8s

TTFB: 52ms
Redirect: 0ms
Connect: 44ms
Backend: 8ms

First Contentful Paint: 640ms

Largest Contentful Paint: 640ms

Onload Time: 1.2s

Time to Interactive: 1.5s

Fully Loaded Time: 1.8s

Performance Metrics

First Contentful Paint

How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.

Good - Nothing to do here

639ms

Time to Interactive

How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.

Good - Nothing to do here

1.5s

Speed Index

How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.

Much longer than recommended

2.6s

Total Blocking Time

How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.

Longer than recommended

335ms

Largest Contentful Paint

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.

Good - Nothing to do here

639ms

Cumulative Layout Shift

How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.

Good - Nothing to do here

0

Browser Timings

Redirect	0ms

Connect	44ms

Backend	8ms

TTFB	52ms

First Paint	640ms

DOM Int.	1.1s

DOM Loaded	1.1s

Onload	1.2s

Fully Loaded	1.8s

IMPACT	AUDIT	

Low	**Avoid an excessive DOM size** TBT	357 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		357
Maximum DOM Depth	div > div.flex > a.bg-primary-100 > img.w-4 `<img width="512" height="512" src="https://cellularorigins.com/wp-content/uploads/twitter.svg" class="w-4 h-4" alt="" decoding="async" loading="lazy">`	14
Maximum Child Elements	body.home `<body class="home page-template-default page page-id-59 wp-embed-responsive editor-styl…" data-aos-easing="ease" data-aos-duration="1000" data-aos-delay="0">`	12

Low	**Properly size images**	Potential savings of 50.3KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://b3139206.smushcdn.com/3139206/wp-content/uploads//co_card_TEMPLATE_v1.jpg?lossy=1&strip=1&webp=1	61.9KB	50.3KB

Low	**Reduce unused CSS** FCP LCP	Potential savings of 36.8KB

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

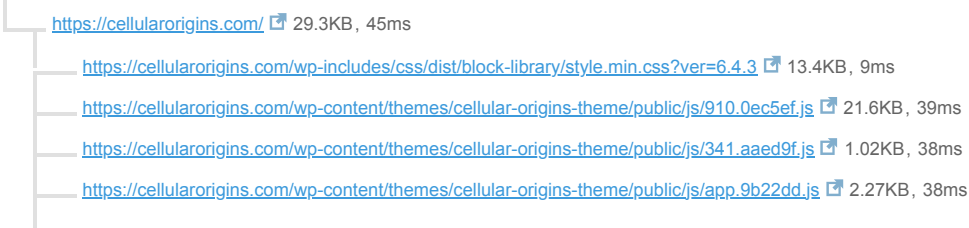| URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/css/app.3ee70e.css	26.1KB	23.5KB
• https://cellularorigins.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.4KB	13.3KB

Low	**Avoid chaining critical requests** FCP LCP	11 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: **646ms**

INITIAL NAVIGATION

- https://cellularorigins.com/ 🔗 29.3KB, 45ms
  - https://cellularorigins.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3 🔗 13.4KB, 9ms
  - https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/js/910.0ec5ef.js 🔗 21.6KB, 39ms
  - https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/js/341.aaed9f.js 🔗 1.02KB, 38ms
  - https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/js/app.9b22dd.js 🔗 2.27KB, 38ms

https://cellularorigins.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9 ⬈ 1.14KB, 8ms

https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/js/205.ea33ef.js ⬈ 8.85KB, 26ms

https://cellularorigins.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.9 ⬈ 4.11KB, 27ms

https://cellularorigins.com/wp-content/plugins/instant-page/instantpage.js?ver=5.7.0 ⬈ 1.42KB, 7ms

https://cellularorigins.com/wp-content/plugins/contact-form-7/includes/swv/js/index.js?ver=5.9 ⬈ 3.43KB, 27ms

https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/css/app.3ee70e.css ⬈ 26.1KB, 12ms

https://fonts.googleapis.com/css2?family=Montserrat:wght@600;700&family=Open+Sans:ital,wght@0,300;0,400;0,500;0,600;0,700;1,300;1,400&display=swap ⬈ 2.59KB, 54ms

https://fonts.gstatic.com/s/montserrat/v26/JTUSjIg1_i6t8kCHKm459Wlhyw.woff2 ⬈ 32.4KB, 68ms

https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2 ⬈ 47.6KB, 68ms

---

N/A	**Largest Contentful Paint element** LCP	640 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Enabling patient access to cell therapy at scale

```
<h1 class="my-0 md:w-7/12 text-white">
```

PHASE	% OF LCP	TIMING
TTFB	8%	53ms
Load Delay	0%	0ms
Load Time	0%	0ms
Render Delay	92%	586ms

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
• https://cellularorigins.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9	1.14KB	152ms

---

N/A	**Reduce initial server response time** FCP LCP	Root document took 7ms

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

URL	TIME SPENT
• https://cellularorigins.com/	7ms

N/A	**Avoid serving legacy JavaScript to modern browsers** TBT	Potential savings of 56B

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
https://cellularorigins.com/wp-content/themes/cellular-origins-theme/public/js/205.ea33ef.js	56B
Line:1 Column:8767 @babel/plugin-transform-classes	

N/A	Avoid large layout shifts CLS	2 elements found

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

ELEMENT	CLS CONTRIBUTION
Cellular Origins is building scalable cell therapy automation manufacturing sol… `<div class="wp-block-introduction alignfull relative vertical-padding overflow-hidden">`	0.00
div#app > main#main > div.wp-block-introduction > svg.absolute `<svg class="absolute top-4 left-0 w-12 md:w-28 h-auto right-0 mx-auto" viewBox="0 0 114 71" xmlns="http://www.w3.org/2000/svg">`	0.00

N/A	Minimize main-thread work TBT	Main-thread busy for 1.5s

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

CATEGORY	TIME SPENT
Other	624ms
Script Evaluation	560ms
Style & Layout	216ms
Parse HTML & CSS	104ms
Script Parsing & Compilation	20ms
Rendering	19ms

N/A	Reduce the impact of third-party code TBT	Third-party code blocked the main thread for 97ms

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
NEW RELIC	30.6KB	97ms
• https://js-agent.newrelic.com/nr-spa-1.252.1.min.js	29.4KB	97ms
GOOGLE FONTS	82.7KB	0ms
• https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2	47.6KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUSjIg1_i6t8kCHKm459Wlhyw.woff2	32.4KB	0ms
SMUSHCDN.COM	67.9KB	0ms
• https://b3139206.smushcdn.com/3139206/wp-content/uploads//co_card_TEMPLATE_v1.jpg?lossy=1&strip=1&webp=1	62.5KB	0ms
• https://b3139206.smushcdn.com/3139206/wp-content/themes/cellular-origins-theme/public/images/intro-top-right.2c1d47.jpg?size=1536x1536&lossy=1&strip=1&webp=1	5.37KB	0ms

N/A	**User Timing marks and measures**

No user timings and/or marks found.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME