

Performance Report for: <https://www.metrionbiosciences.com/>

Report generated: Wed, Mar 13, 2024 10:14 PM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

F	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	29%	74%	6.6s	615ms	0.09

Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 8.47MB
High	Reduce initial server response time <small>FCP LCP</small>	Root document took 4.5s
Med-High	Avoid chaining critical requests <small>FCP LCP</small>	64 chains found
Med	Don't lazy load Largest Contentful Paint image <small>LCP</small>	LCP was lazy loaded
Med	Serve static assets with an efficient cache policy	Potential savings of 6.15MB

Page Details



Total Page Size - 3.46MB



Total Page Requests - 109



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.

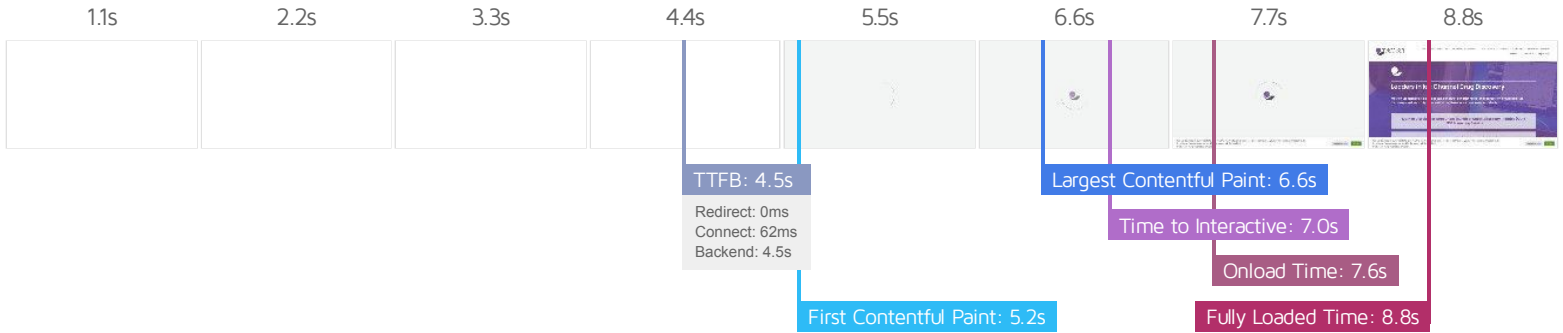
<https://carbon60.com/>

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.

Metrion Biosciences • Metrion Biosciences

Resource	Size	Response Time
/	26.4KB	4.6s
awb.min.css?ver=1.12.1	773B	48ms
dashicons.min.css?ver=6...	34.5KB	51ms
extra.min.css?ver=0.13.9	453B	79ms
style.min.css?ver=6.4.3	13.2KB	105ms
css?family=Poppins%3A...	995B	105ms
styles.css?ver=5.9.2	1.05KB	80ms
cookie-law-info-public.cs...	0.98KB	81ms
cookie-law-info-gdpr.css?...	4.17KB	82ms
style.min.css?ver=1.4.1	1.55KB	81ms
sociality.min.css?ver=1.3.4	862B	81ms
fallback-classic-theme.cs...	601B	82ms
style.css?ver=1709004026	2.90KB	82ms
style.css?ver=1709004026	1.63KB	83ms
style.css?ver=1709004026	559B	99ms
style.css?ver=1709004026	951B	100ms
bootstrap.min.css?ver=4...	18.0KB	122ms
pe-icon-7-stroke.min.css...	2.40KB	117ms
photoswipe.css?ver=4.1.2	1.30KB	118ms
default-skin.css?ver=4.1.2	2.85KB	118ms
skylith-custom.min.css?v...	38.3KB	128ms
default.css?ver=2.2.5	2.33KB	126ms
style.css?ver=1.0.0	406B	127ms
jquery.min.js?ver=3.7.1	29.1KB	139ms
jquery-migrate.min.js?ver...	4.75KB	145ms
skylith-ghostkit-preloader...	815B	146ms
cookie-law-info-public.js?...	7.16KB	148ms
cookie-law-info-ccpa.js?v...	1.79KB	149ms
js?id=GT-K4LKW3K	85.9KB	310ms
js?id=G-RGBFZ4B1XZ	96.8KB	320ms
Pre_Loader-128x128.png	684B	597ms
Metrion_Biosciences_log...	3.08KB	114ms
cookie-law-info-table.css...	1.74KB	191ms
jarallax.min.js?ver=2.1.4	3.74KB	196ms
jarallax-video.min.js?ver=...	4.78KB	221ms
awb.min.js?ver=1.12.1	3.94KB	222ms
dtgsnonce.js?ver=0.01	236B	226ms
index.js?ver=5.9.2	3.33KB	227ms
index.js?ver=5.9.2	4.01KB	228ms
typed.min.js?ver=2.0.11	3.42KB	229ms
popper.min.js?ver=2.5.3	6.20KB	230ms
ivent.min.js?ver=0.2.0	1.83KB	231ms
helper.js?ver=92f8f9a514...	1.02KB	234ms
event-fallbacks.js?ver=fd...	1.24KB	235ms
motion.min.js?ver=10.16.2	9.46KB	238ms
main.js?ver=e413b5dd70...	727B	239ms
script.min.js?ver=1.4.1	3.78KB	240ms
sociality.min.js?ver=1.3.4	600B	245ms
sociality-share.min.js?ver...	3.08KB	246ms
frontend.js?ver=0e89fdfc...	1.34KB	246ms
frontend.js?ver=a973ba5...	439B	247ms
v4-shims.min.js?ver=5.13.0	4.11KB	248ms
all.min.js?ver=5.13.0	393KB	602ms

TweenMax.min.js?ver=1.2...	200	metrionbiosciences.c...	36.0KB		592ms			
ScrollToPlugin.min.js?ver...	200	metrionbiosciences.c...	1.60KB		565ms			
bootstrap.min.js?ver=4.0.0	200	metrionbiosciences.c...	12.3KB		565ms			
sticky-kit.min.js?ver=1.1.2	200	metrionbiosciences.c...	1.46KB		566ms			
photoswipe.min.js?ver=4....	200	metrionbiosciences.c...	11.7KB		565ms			
photoswipe-ui-default.mi...	200	metrionbiosciences.c...	3.66KB		565ms			
hammer.min.js?ver=2.0.8	200	metrionbiosciences.c...	7.12KB		565ms			
keymaster.js?ver=1.6.2	200	metrionbiosciences.c...	2.96KB		566ms			
tilt.jquery.min.js?ver=1.2.1	200	metrionbiosciences.c...	1.83KB		566ms			
skylith.min.js?ver=1.3.5	200	metrionbiosciences.c...	13.7KB		567ms			
skylith-wp.min.js?ver=1.3.5	200	metrionbiosciences.c...	4.75KB		586ms			
skylith-init.min.js?ver=1.3.5	200	metrionbiosciences.c...	1.18KB		586ms			
script.js?ver=1.0.0	200	metrionbiosciences.c...	1.20KB		586ms			
gtm.js?id=GTM-PWG7Q4W	200	googletagmanager.c...	46.2KB		77ms			
pxiByp8kv8JHgFvRLEj6Z1...	200	fonts.gstatic.com	7.81KB		317ms			
pxiEyp8kv8JHgFvRJJfecg...	200	fonts.gstatic.com	7.70KB		317ms			
pxiByp8kv8JHgFvRLGT9Z...	200	fonts.gstatic.com	7.57KB		316ms			
Metrion_Biosciences_Lea...	200	metrionbiosciences.c...	50.0KB		263ms			
Metrion_Icon-01-150x150...	200	metrionbiosciences.c...	809B		263ms			
Metrion_Upcoming_Event...	200	metrionbiosciences.c...	21.3KB		263ms			
Metrion_Biosciences_Ion...	200	metrionbiosciences.c...	13.0KB		264ms			
Metrion_Biosciences_Car...	200	metrionbiosciences.c...	11.4KB		265ms			
Metrion_Biosciences_Ne...	200	metrionbiosciences.c...	15.5KB		265ms			
Metrion_Biosciences_Tra...	200	metrionbiosciences.c...	13.0KB		265ms			
Metrion_Biosciences_Inte...	200	metrionbiosciences.c...	20.6KB		265ms			
gSznx87x4KQ?feature=o...	200	youtube.com	37.5KB		224ms			
Pe-icon-7-stroke.woff?d7...	200	metrionbiosciences.c...	57.2KB		316ms			
Metrion_Biosciences_Lea...	200	metrionbiosciences.c...	50.4KB		63ms			
www-player.css	200	youtube.com	46.8KB		28ms			
embed.js	200	youtube.com	17.6KB		37ms			
www-embed-player.js	200	youtube.com	95.3KB		41ms			
base.js	200	youtube.com	780KB		160ms			
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.0KB		101ms			
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.2KB		102ms			
Metrion_Biosciences_Lea...	200	metrionbiosciences.c...	68.4KB		51ms			
metrion_new_website_lo...	(canceled)	metrionbiosciences.c...	1.00MB		492ms			
id	302	googleads.g.doublec...	0		55ms			
id?slf_rd=1	302	googleads.g.doublec...	0		52ms			
ad_status.js	200	static.doubleclick.net	29B		40ms			
metrion_new_website_lo...	(incomplete)	metrionbiosciences.c...	0					>2.2s
POST Create	200	jnn-pa.googleapis.com	40.1KB		82ms			
OPTIONS Create	200	jnn-pa.googleapis.com	0		54ms			
wp-emoji-release.min.js?...	200	metrionbiosciences.c...	4.69KB		28ms			
remote.js	200	youtube.com	33.0KB		17ms			
FWAJsZfmtFASNg4Pcc0E...	200	google.com	19.6KB		45ms			
maxresdefault.jpg?sqp=-...	200	i.ytimg.com	54.6KB		73ms			
Aldro_mnTJR8nlxXv1BhL...	200	yt3.ggpht.com	2.01KB		100ms			
id?slf_rd=1	200	googleads.g.doublec...	120B		33ms			
pxiByp8kv8JHgFvRLDz8Z...	200	fonts.gstatic.com	7.66KB		107ms			
POST GenerateIT	200	jnn-pa.googleapis.com	134B		55ms			
OPTIONS GenerateIT	200	jnn-pa.googleapis.com	0		32ms			
cast_sender.js	200	gstatic.com	1.96KB		54ms			
generate_204?j-EBmw	204	youtube.com	0		17ms			
cast_sender.js	200	gstatic.com	15.0KB		13ms			
cropped-Metrion_Bioscie...	200	metrionbiosciences.c...	502B		22ms			
POST log_event?alt=json...	200	youtube.com	50B					21ms
109 Requests	3.46MB (17.9MB Uncompressed)	8.8s (Onload 7.6s)						



Performance Metrics

<p>First Contentful Paint</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>Much longer than recommended</p> <p>5.2s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Much longer than recommended</p> <p>7.0s</p>
<p>Speed Index</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>10.4s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Much longer than recommended</p> <p>615ms</p>
<p>Largest Contentful Paint</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>Much longer than recommended</p> <p>6.6s</p>	<p>Cumulative Layout Shift</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>0.09</p>

Browser Timings

Redirect	0ms	Connect	62ms	Backend	4.5s
TTFB	4.5s	First Paint	5.2s	DOM Int.	6.6s
DOM Loaded	6.6s	Onload	7.6s	Fully Loaded	8.8s

IMPACT AUDIT

Med

Use a Content Delivery Network (CDN)

74 resources found

CDNs can give an equally fast web experience to your users across the globe.

URL

- <https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/awb/awb.min.css?ver=1.12.1>
- <https://www.metribiosciences.com/wp-includes/css/dashicons.min.css?ver=6.4.3>
- <https://www.metribiosciences.com/wp-content/plugins/menu-icons/css/extra.min.css?ver=0.13.9>
- <https://www.metribiosciences.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3>
- <https://www.metribiosciences.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9.2>
- <https://www.metribiosciences.com/wp-content/plugins/cookie-law-info/legacy/public/css/cookie-law-info-public.css?ver=3.2.0>
- <https://www.metribiosciences.com/wp-content/plugins/cookie-law-info/legacy/public/css/cookie-law-info-gdpr.css?ver=3.2.0>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit-pro/blocks/style.min.css?ver=1.4.1>
- <https://www.metribiosciences.com/wp-content/plugins/sociality/assets/sociality.min.css?ver=1.3.4>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/assets/css/fallback-classic-theme.css?ver=1709004026>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/gutenberg/style.css?ver=1709004026>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/gutenberg/blocks/grid/styles/style.css?ver=1709004026>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/gutenberg/blocks/divider/styles/style.css?ver=1709004026>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/gutenberg/blocks/button/styles/style.css?ver=1709004026>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/bootstrap/dist/css/bootstrap.min.css?ver=4.0.0>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/pixeden-stroke-7-icon/pe-icon-7-stroke/dist/pe-icon-7-stroke.min.css?ver=1.2.3>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/photoswipe/dist/photoswipe.css?ver=4.1.2>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/photoswipe/dist/default-skin/default-skin.css?ver=4.1.2>
- <https://www.metribiosciences.com/wp-content/uploads/nk-custom-styles/skylith-custom.min.css?ver=1660317132>
- <https://www.metribiosciences.com/wp-content/plugins/tablepress/css/build/default.css?ver=2.2.5>
- <https://www.metribiosciences.com/wp-content/themes/skylith-child/style.css?ver=1.0.0>
- <https://www.metribiosciences.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1>
- <https://www.metribiosciences.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/js/skylith-ghostkit-preloader-ext.min.js?ver=1.3.5>
- <https://www.metribiosciences.com/wp-content/plugins/cookie-law-info/legacy/public/js/cookie-law-info-public.js?ver=3.2.0>
- <https://www.metribiosciences.com/wp-content/plugins/cookie-law-info/legacy/admin/modules/ccpa/assets/js/cookie-law-info-ccpa.js?ver=3.2.0>
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Pre_Loader-128x128.png
- https://www.metribiosciences.com/wp-content/uploads/2022/02/Metribiosciences_logo.svg
- <https://www.metribiosciences.com/wp-content/plugins/cookie-law-info/legacy/public/css/cookie-law-info-table.css?ver=3.2.0>
- <https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/vendor/jarallax/dist/jarallax.min.js?ver=2.1.4>
- <https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/vendor/jarallax/dist/jarallax-video.min.js?ver=2.1.4>
- <https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/awb/awb.min.js?ver=1.12.1>
- <https://www.metribiosciences.com/wp-content/plugins/data-tables-generator-by-supsystic/app/assets/js/dtgsnonce.js?ver=0.01>
- <https://www.metribiosciences.com/wp-content/plugins/contact-form-7/includes/swf/js/index.js?ver=5.9.2>
- <https://www.metribiosciences.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.9.2>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit-pro/assets/vendor/typed.js/lib/typed.min.js?ver=2.0.11>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit-pro/assets/vendor/@popperjs/core/dist/umd/popper.min.js?ver=2.5.3>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/assets/vendor/ivent/dist/ivent.min.js?ver=0.2.0>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/assets/js/helper.js?ver=92f8f9a51426f7f1344e>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/assets/js/event-fallbacks.js?ver=fd98446294b25194fdff>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/assets/vendor/motion/dist/motion.min.js?ver=10.16.2>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/assets/js/main.js?ver=e413b5dd702e70f45593>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit-pro/assets/js/script.min.js?ver=1.4.1>
- <https://www.metribiosciences.com/wp-content/plugins/sociality/assets/sociality.min.js?ver=1.3.4>
- <https://www.metribiosciences.com/wp-content/plugins/sociality/assets/sociality-share/sociality-share.min.js?ver=1.3.4>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/gutenberg/extend/effects/frontend.js?ver=0e89fd9b3f7caaefff>
- <https://www.metribiosciences.com/wp-content/plugins/ghostkit/build/gutenberg/style-variants/core-list/frontend.js?ver=a973ba5275fec96abda8>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/font-awesome/v4-shims.min.js?ver=5.13.0>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/font-awesome/all.min.js?ver=5.13.0>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/gsap/src/minified/TweenMax.min.js?ver=1.20.4>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/gsap/src/minified/plugins/ScrollToPlugin.min.js?ver=1.20.4>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/bootstrap/dist/js/bootstrap.min.js?ver=4.0.0>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/sticky-kit/dist/sticky-kit.min.js?ver=1.1.2>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/photoswipe/dist/photoswipe.min.js?ver=4.1.2>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/photoswipe/dist/photoswipe-ui-default.min.js?ver=4.1.2>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/hammerjs/hammer.min.js?ver=2.0.8>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/keymaster/keymaster.js?ver=1.6.2>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/tilt.js/tilt.jquery.min.js?ver=1.2.1>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/js/skylith.min.js?ver=1.3.5>

URL

- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/js/skylith-wp.min.js?ver=1.3.5>
- <https://www.metribiosciences.com/wp-content/themes/skylith/assets/js/skylith-init.min.js?ver=1.3.5>
- <https://www.metribiosciences.com/wp-content/themes/skylith-child/script.js?ver=1.0.0>
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Leaders_in_Ion_Channel_Sciences-copy-1536x863.jpg
- https://www.metribiosciences.com/wp-content/uploads/2021/03/Metribiosciences_Icon-01-150x150.png
- https://www.metribiosciences.com/wp-content/uploads/2021/03/Metribiosciences_Upcoming_Events_Background-1536x940.jpg
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Ion_Channel_Screening_Icon_Large-01.png
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Cardiac_Safety_Screening_Icon_Large-01-01.png
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Neuroscience_Icon_Large-01.png
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Translational_Assays_Icon_Large-01.png
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Integrated_Drug_Discovery_Icon_Large-01-01.png
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Leaders_in_Ion_Channel_Sciences-copy-1920x1078.jpg
- https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Leaders_in_Ion_Channel_Sciences-copy.jpg
- https://www.metribiosciences.com/wp-content/uploads/2022/02/metribiosciences_new_website_loop-720p.mp4
- <https://www.metribiosciences.com/wp-includes/js/wp-emoji-release.min.js?ver=6.4.3>

Med **Avoid long main-thread tasks** TBT 13 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
• https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/awb/awb.min.js?ver=1.12.1	6.3s	217ms
• https://www.metribiosciences.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	6.7s	143ms
• https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/vendor/jarallax/dist/jarallax.min.js?ver=2.1.4	5.4s	140ms
• https://www.googletagmanager.com/gtag/js?id=G-RGBFZ4B1XZ	5.6s	116ms
• https://www.metribiosciences.com/wp-content/plugins/sociality/assets/sociality.min.js?ver=1.3.4	6.1s	110ms
• https://www.googletagmanager.com/gtm.js?id=GTM-PWG7Q4W	6.6s	101ms
• https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/awb/awb.min.js?ver=1.12.1	6.2s	86ms
• https://www.metribiosciences.com/	4.9s	79ms
• Unattributable	5.8s	71ms
• Unattributable	6.9s	70ms
• https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/awb/awb.min.js?ver=1.12.1	5.1s	59ms
• Unattributable	5.9s	56ms
• https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/vendor/jarallax/dist/jarallax.min.js?ver=2.1.4	5.8s	50ms

Med-Low **Lazy load third-party resources with facades** TBT 1 facade alternative available

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required.

PRODUCT	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
YouTube Embedded Player (Video)	1.04MB	0ms
https://www.youtube.com/s/player/e04b3b4c/player_ias.vflset/en_US/base.js	781KB	0ms
https://www.youtube.com/s/player/e04b3b4c/www-embed-player.vflset/www-embed-player.js	95.5KB	0ms
https://i.ytimg.com/vi/gSzNx87x4KQ/maxresdefault.jpg?sqp=-oaymwEmCIAKENAF8guKgQMa8AEB-AH-CYAC0AWKAgwIABABGGsgayhrMA8&rs=AO4CLCZKdg7xuFkRe9ryUVuf2OWP_R9rw	55.1KB	0ms
https://www.youtube.com/s/player/e04b3b4c/www-player.css	47.1KB	0ms
https://www.youtube.com/embed/gSzNx87x4KQ?feature=oembed	37.5KB	0ms
Other resources	53.0KB	0ms

Low **Avoid an excessive DOM size** TBT 806 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		806
Maximum DOM Depth	a.ghostkit-button > span.ghostkit-button-icon > svg.ghostkit-svg-icon > path <path fill="currentColor" d="M256 8c137 0 248 111 248S393 504 256 504 8 393 8 256 119 8 256 8zm113...">	19
Maximum Child Elements	body.home <body class="home page-template-default page page-id-7">	56

Low

Avoid large layout shifts CLS

5 elements found

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

ELEMENT	CLS CONTRIBUTION
div.nk-awb-wrap > div.nk-awb-inner > div#jarallax-container-0 > video#VideoWorker-0 <video loop="" playsinline="" webkit-playsinline="" tabindex="-1" aria-hidden="true" id="VideoWorker-0" poster="https://www.metronbiosciences.com/wp-content/uploads/2021/01/Metrion_Bios..." class="jarallax-video jarallax-video-local" style="position: absolute; inset: 0px; width: 1566px; height: 880.875px;">	0.09
Metrion Biosciences Leaders in Ion Channel Sciences copy <div class="nk-awb-inner" style="inset: -100px;" data-jarallax-original-styles="inset: -100px;">	0.05
Leaders in Ion Channel Drug Discovery 	0.00
Metrion Biosciences is a specialist ion channel contract research organisation ... 	0.00
ION CHANNEL EXPERTISE GLP HERG SCREENING WHO WE ARE KNOWLEDGE LIBRARY N... <ul id="menu-primary" class="nk-nav nk-nav-right d-none d-lg-block" data-nav-mobile="#nk-nav-mobile">	0.00

Low

Eliminate render-blocking resources FCP LCP

Potential savings of 54ms

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://www.metribiosciences.com/wp-includes/css/dashicons.min.css?ver=6.4.3	34.5KB	684ms
https://www.metribiosciences.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.2KB	342ms
https://fonts.googleapis.com/css?family=Poppins%3A400%2C400i%2C700%2C700i&display=swap&ver=3.2.3	995B	808ms
https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/bootstrap/dist/css/bootstrap.min.css?ver=4.0.0	18.0KB	342ms
https://www.metribiosciences.com/wp-content/uploads/nk-custom-styles/skylith-custom.min.css?ver=1660317132	38.3KB	171ms
https://www.metribiosciences.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	29.1KB	171ms
https://www.metribiosciences.com/wp-content/plugins/cookie-law-info/legacy/public/js/cookie-law-info-public.js?ver=3.2.0	7.16KB	171ms

Low Reduce JavaScript execution time TBT 848ms 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
https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/vendor/jarallax/dist/jarallax.min.js?ver=2.1.4	858ms	55ms	1ms
Unattributable	641ms	16ms	0ms
https://www.metribiosciences.com/	427ms	46ms	3ms
https://www.metribiosciences.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	168ms	98ms	1ms
https://www.googletagmanager.com/gtag/js?id=G-RGBFZ4B1XZ	164ms	149ms	14ms
https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/font-awesome/all.min.js?ver=5.13.0	129ms	38ms	62ms
https://www.metribiosciences.com/wp-content/themes/skylith/assets/js/skylith-init.min.js?ver=1.3.5	120ms	91ms	0ms
https://www.googletagmanager.com/gtm.js?id=GTM-PWG7Q4W	103ms	91ms	8ms
https://www.metribiosciences.com/wp-content/themes/skylith/assets/js/skylith-wp.min.js?ver=1.3.5	95ms	24ms	0ms
https://www.metribiosciences.com/wp-content/plugins/advanced-backgrounds/assets/awb/awb.min.js?ver=1.12.1	73ms	23ms	0ms
https://www.googletagmanager.com/gtag/js?id=GT-K4LKW3K	66ms	55ms	11ms
https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/gsap/src/minified/TweenMax.min.js?ver=1.20.4	62ms	51ms	3ms

Low Properly size images Potential savings of 58.4KB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Integrated_Drug_Discovery_Icon_Large-01-01.png	20.6KB	19.4KB
https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Neuroscience_Icon_Large-01.png	15.5KB	14.6KB
https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Translational_Assays_Icon_Large-01.png	13.0KB	12.3KB
https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Ion_Channel_Screening_Icon_Large-01.png	13.0KB	12.2KB

Low Ensure text remains visible during webfont load FCP LCP 1 font found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/pixeden-stroke-7-icon/pe-icon-7-stroke/fonts/Pe-icon-7-stroke.woff?d7yf1v	29ms

Low

Reduce unused CSS FCP LCP

Potential savings of 102KB

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://www.metribiosciences.com/wp-content/uploads/nk-custom-styles/skylith-custom.min.css?ver=1660317132	38.3KB	36.8KB
https://www.metribiosciences.com/wp-includes/css/dashicons.min.css?ver=6.4.3	34.5KB	34.5KB
https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/bootstrap/dist/css/bootstrap.min.css?ver=4.0.0	18.0KB	17.5KB
https://www.metribiosciences.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.2KB	12.9KB

Low

Serve images in next-gen formats

Potential savings of 9.36KB

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
https://www.metribiosciences.com/wp-content/uploads/2021/01/Metribiosciences_Leaders_in_Ion_Channel_Sciences-copy-1536x863.jpg	50.0KB	9.36KB

Low

Avoid non-composited animations CLS

3 animated elements found

Animations which are not composited can be janky and increase CLS.

ELEMENT

Metribiosciences announces launch of Good Laboratory Practice (GLP) hERG Scr...

```
<h4 class="wp-block-heading has-text-align-center has-background" id="metribiosciences-announces-launch-of-good-laboratory-practice-glp-herg-..." style="background-color: rgba(255, 255, 255, 0.72); transform: translateY(var(--m...; ">
```

Unsupported CSS Property: --motion-translateY

Unsupported CSS Property: --motion-scale

div.entry-content > div.wp-block-nk-awb > div.nk-awb-wrap-content > div.ghostkit-divider

```
<div class="ghostkit-divider ghostkit-divider-type-solid ghostkit-custom-wWCa8" style="transform: translateX(var(--motion-translateX)); opacity: 1;">
```

Unsupported CSS Property: --motion-translateX

Download our new GLP hERG Screening brochure

```
<h4 class="wp-block-heading has-text-align-center has-background" id="metribiosciences-announces-launch-of-good-laboratory-practice-glp-herg-..." style="background-color: rgba(255, 255, 255, 0.72); transform: translateY(var(--m...; ">
```

Unsupported CSS Property: --motion-translateY

Unsupported CSS Property: --motion-scale

Low

Reduce unused JavaScript LCP

Potential savings of 137KB

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

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.googletagmanager.com/gtag/js?id=G-RGBFZ4B1XZ	96.9KB	42.0KB
https://www.googletagmanager.com/gtag/js?id=GT-K4LKW3K	86.1KB	38.7KB
https://www.googletagmanager.com/gtm.js?id=GTM-PWG7Q4W	46.6KB	28.8KB
https://www.metribiosciences.com/wp-content/themes/skylith/assets/vendor/gsap/src/minified/TweenMax.min.js?ver=1.20.4	36.0KB	27.6KB

N/A

Largest Contentful Paint element LCP

6,580 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Metrion Biosciences Leaders in Ion Channel Sciences copy

```

```

PHASE	% OF LCP	TIMING
TTFB	69%	4.5s
Load Delay	9%	616ms
Load Time	1%	45ms
Render Delay	21%	1.4s

N/A

Avoid serving legacy JavaScript to modern browsers TBT

Potential savings of 162B

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://www.metrionbiosciences.com/wp-content/plugins/ghostkit-pro/assets/vendor/typed.js/lib/typed.min.js?ver=2.0.11	60B
Line:9 Column:501	@babel/plugin-transform-cl asses
https://www.metrionbiosciences.com/wp-content/themes/skylith/assets/vendor/font-awesome/all.min.js?ver=5.13.0	57B
Line:4 Column:1167031	@babel/plugin-transform-cl asses
https://www.metrionbiosciences.com/wp-content/themes/skylith/assets/js/skylith.min.js?ver=1.3.5	45B
Line:6 Column:8832	@babel/plugin-transform-cl asses

N/A

Minimize main-thread work TBT

Main-thread busy for 3.1s

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

CATEGORY	TIME SPENT
Other	1.3s
Script Evaluation	860ms
Style & Layout	626ms

CATEGORY	TIME SPENT
Parse HTML & CSS	140ms
Script Parsing & Compilation	131ms
Rendering	102ms
Garbage Collection	9ms

N/A

Reduce the impact of third-party code TBT

Third-party code blocked the main thread for 65ms

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
GOOGLE TAG MANAGER	230KB	65ms
• https://www.googletagmanager.com/gtag/js?id=G-RGBFZ4B1XZ	96.9KB	65ms
• https://www.googletagmanager.com/gtag/js?id=GT-K4LKW3K	86.1KB	0ms
• https://www.googletagmanager.com/gtm.js?id=GTM-PWG7Q4W	46.6KB	0ms
YOUTUBE	1.04MB	0ms
• https://www.youtube.com/s/player/e04b3b4c/player_ias.vflset/en_US/base.js	781KB	0ms
• https://www.youtube.com/s/player/e04b3b4c/www-embed-player.vflset/www-embed-player.js	95.5KB	0ms
• https://i.ytimg.com/vi/gSzNx87x4KQ/maxresdefault.jpg?sqp=-oaymwEmCIAKENAF8quKqQMa8AEB-AH-CYAC0AWKAglwABABGGsgayhrMA8=&rs=AOn4CLCZKdg7xuFkRe9ryUVuf2OWP_R9rw	55.1KB	0ms
• Other resources	138KB	0ms
GOOGLE FONTS	63.4KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOmCnqEu92Fr1Mu4mxK.woff2	15.5KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOICnqEu92Fr1MmEU9fBBc4.woff2	15.3KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiEyp8kv8JHgFVrJJfecg.woff2	8.22KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiByp8kv8JHgFVrLEj6Z1xIFQ.woff2	7.93KB	0ms
• https://fonts.gstatic.com/s/poppins/v20/pxiByp8kv8JHgFVrLDz8Z1xIFQ.woff2	7.77KB	0ms
• Other resources	8.65KB	0ms
OTHER GOOGLE APIS/SDKS	60.6KB	0ms
• https://jnn-pa.googleapis.com/\$rpc/google.internal.waa.v1.Waa/Create	40.3KB	0ms
• https://www.google.com/js/th/FWAJsZfmtFAsNg4Pcc0EjV8PpQvDXO-CJgsIGjYkN-g.js	20.2KB	0ms
GOOGLE CDN	17.8KB	0ms
• https://www.gstatic.com/eureka/clank/117/cast_sender.js	15.4KB	0ms
GOOGLE/DOUBLECLICK ADS	1.20KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.