



# Biobot Analytics

## **Biobot Intelligence Platform Accessibility Conformance Report** **Revised Section 508 Edition**

(Based on VPAT® Version 2.4Rev)

**Name of Product/Version:** Biobot Intelligence Platform

**Report Date:** August 22, 2023

**Product Description:** Single Page Web Application to facilitate sample metadata submission and viewing rich data analysis of wastewater results.

**Contact Information:** [accessibility@biobot.io](mailto:accessibility@biobot.io)

**Notes:** None.

**Evaluation Methods Used:** Evaluation of the Biobot Intelligence Platform involved a combination of automated, manual and functional testing. Manual Audit against WCAG and Section 508 guidelines, aided by Axe Browser Plugin and industry standard screen readers.

## Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
<a href="#">Web Content Accessibility Guidelines 2.0</a>	Level A (Yes) Level AA (Yes) Level AAA (No)
<a href="#">Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018</a>	(Yes)

## Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

## WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

### Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">1.1.1 Non-text Content</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Web: Partially Supports	Web: There needs to be a text presentation of the data presented in graphs, ideally in a table with accessible markup.
<p><a href="#">1.2.1 Audio-only and Video-only (Prerecorded)</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	Web: Not Applicable	
<p><a href="#">1.2.2 Captions (Prerecorded)</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> </ul>	Web: Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>		
<p><b><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Not Applicable	
<p><b><u>1.3.1 Info and Relationships</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b><u>1.3.2 Meaningful Sequence</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b><u>1.3.3 Sensory Characteristics</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b><u>1.4.1 Use of Color</u></b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> </ul>	Web: Partially Supports	Web: In graphs, color is required to differentiate graph lines.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>		
<p><b>1.4.2 Audio Control</b> (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Not Applicable	
<p><b>2.1.1 Keyboard</b> (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Partially Supports	Web: Certain clickable elements of the main portal are not keyboard navigable because they are spans or divs instead of button or links or form elements.
<p><b>2.1.2 No Keyboard Trap</b> (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b>2.2.1 Timing Adjustable</b> (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b>2.2.2 Pause, Stop, Hide</b> (Level A)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Not Applicable	
<p><a href="#">2.4.1 Bypass Blocks</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software) – Does not apply to non-web software</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Web: Supports	
<p><a href="#">2.4.2 Page Titled</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Does Not Support	Web: Every navigable page needs to have a unique title instead of just "Biobot Analytics, Inc."
<p><a href="#">2.4.3 Focus Order</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><a href="#">2.4.4 Link Purpose (In Context)</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><a href="#">3.1.1 Language of Page</a> (Level A)</p>	Web: Supports	

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>		
<b><u>3.2.1 On Focus</u></b> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<b><u>3.2.2 On Input</u></b> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<b><u>3.3.1 Error Identification</u></b> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<b><u>3.3.2 Labels or Instructions</u></b> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<b><u>4.1.1 Parsing</u></b> (Level A) Also applies to:	Web: Supports	



Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>		
<b><u>4.1.2 Name, Role, Value</u></b> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Partially Supports	Web: Aria tags are used incorrectly. Some are present when they shouldn't be, others are missing.

**Table 2: Success Criteria, Level AA**

Notes:

Criteria	Conformance Level	Remarks and Explanations
<b><u>1.2.4 Captions (Live)</u></b> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Not Applicable	
<b><u>1.2.5 Audio Description (Prerecorded)</u></b> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Not Applicable	
<b><u>1.4.3 Contrast (Minimum)</u></b> (Level AA) Also applies to: Revised Section 508	Web: Partially Supports	Web: Certain links and graph lines fail color contrast checks.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>		
<p><b>1.4.4 Resize text</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Partially Supports	Web: Text is resizable with no issues in desktop browsers, but user zooming and scaling is disabled on mobile devices via meta tags.
<p><b>1.4.5 Images of Text</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b>2.4.5 Multiple Ways</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software) – Does not apply to non-web software</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Web: Supports	
<p><b>2.4.6 Headings and Labels</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> <li>504.2 (Authoring Tool)</li> <li>602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b>2.4.7 Focus Visible</b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>501 (Web)(Software)</li> </ul>	Web: Supports	

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>		
<p><b>3.1.2 Language of Parts</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b>3.2.3 Consistent Navigation</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software) – Does not apply to non-web software</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Web: Supports	
<p><b>3.2.4 Consistent Identification</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software) – Does not apply to non-web software</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	Web: Supports	
<p><b>3.3.3 Error Suggestion</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> <li>● 602.3 (Support Docs)</li> </ul>	Web: Supports	
<p><b>3.3.4 Error Prevention (Legal, Financial, Data)</b> (Level AA)</p> <p>Also applies to:</p> <p>Revised Section 508</p> <ul style="list-style-type: none"> <li>● 501 (Web)(Software)</li> <li>● 504.2 (Authoring Tool)</li> </ul>	Web: Supports	

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> <li>602.3 (Support Docs)</li> </ul>		

## Revised Section 508 Report

Notes: Chapter 4 (Hardware) was removed because it is not applicable to the Biobot Intelligence Platform.

### Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	The web application supports standard assistive technologies, including screen readers. Verified with automatic tools (lighthouse). However, certain clickable elements of the main portal are not keyboard navigable because they are spans or divs instead of button or links or form elements.
302.2 With Limited Vision	Supports	
302.3 Without Perception of Color	Partially Supports	In graphs, color is required to differentiate graph lines.
302.4 Without Hearing	Not Applicable	
302.5 With Limited Hearing	Not Applicable	
302.6 Without Speech	Not Applicable	
302.7 With Limited Manipulation	Not Applicable	
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	

## Chapter 5: [Software](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
<b><a href="#">502 Interoperability with Assistive Technology</a></b>	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Supports	
502.2.2 No Disruption of Accessibility Features	Supports	
<b><a href="#">502.3 Accessibility Services</a></b>	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Supports	
502.3.2 Modification of Object Information	Supports	
502.3.3 Row, Column, and Headers	Supports	
502.3.4 Values	Supports	
502.3.5 Modification of Values	Supports	
502.3.6 Label Relationships	Partially Supports	Aria tags are used incorrectly. Some are present when they shouldn't be, others are missing.
502.3.7 Hierarchical Relationships	Supports	
502.3.8 Text	Supports	
502.3.9 Modification of Text	Supports	
502.3.10 List of Actions	Supports	
502.3.11 Actions on Objects	Supports	
502.3.12 Focus Cursor	Partially Supports	Focus indication is sporadic and visual focus indicators can get lost on some pages.
502.3.13 Modification of Focus Cursor	Supports	
502.3.14 Event Notification	Supports	
502.4 Platform Accessibility Features	Supports	
<b><a href="#">503 Applications</a></b>	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not Applicable	
503.3 Alternative User Interfaces	Supports	

Criteria	Conformance Level	Remarks and Explanations
<b>503.4 User Controls for Captions and Audio Description</b>	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	
503.4.2 Audio Description Controls	Not Applicable	
<b>504 Authoring Tools</b>	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)	Not Applicable	
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	
504.2.2 PDF Export	Not Applicable	
504.3 Prompts	Not Applicable	
504.4 Templates	Not Applicable	

## Chapter 6: [Support Documentation and Services](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
<b>601.1 Scope</b>	Heading cell – no response required	Heading cell – no response required
<b>602 Support Documentation</b>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Partially Supports	Product documentation is still in development, it will be available in alternate formats at no additional charge. In lieu of documentation, Biobot's support team will provide customer support as necessary.
602.3 Electronic Support Documentation	See <a href="#">WCAG 2.x</a> section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Support	
<b>603 Support Services</b>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	
603.3 Accommodation of Communication Needs	Supports	