

Endotoxin Considerations - BASIK Brand Headspace Vials - Tech Information

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When evaluating BASIK brand headspace vials for applications where endotoxin levels may be a concern, it is important to understand how these vials are manufactured and what their handling conditions imply for sterility and contamination control.

Manufacturing Conditions and Expected Sterility

BASIK headspace vials are not specifically tested for endotoxins, and therefore do not carry an endotoxin-free certification. However, they are produced under extremely high-temperature conditions—approximately 600 °C—a temperature at which bacteria, organic residues, and pyrogenic material are very unlikely to survive.

This manufacturing environment significantly reduces the probability of biological contamination immediately after forming.

Post-Manufacturing Handling and Limitations

After the vials are formed and cooled, they are packed directly, but they are not certified as ‘untouched by human hands’. Therefore:

- The vials may or may not contain trace endotoxins.
- They should not be assumed to be sterile or pyrogen-free for regulated or critical applications.
- Users requiring validated endotoxin-free consumables should consider certified alternatives.

Best Practices for Laboratory Use

Because the vials are manufactured clean but not formally certified:

- If endotoxin control is critical, consider performing in-house validation testing prior to adopting BASIK vials for routine workflows.
- Pre-rinsing, baking, or autoclaving (as appropriate for the application) may help reduce risk but will not replace official certification requirements.
- For general analytical and headspace sampling, these vials remain suitable when formal endotoxin control is **not** required.

Click [HERE](#) for ordering information and pictures of BASIK brand headspace vials.

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