

BDB LLC Capability Statement

Scientific and technical consulting for life sciences, regulated laboratories, and research operations

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BDB LLC provides independent scientific and technical support to life-science organizations, laboratories, government customers, and their contractors. The firm combines molecular-biology depth with regulated-laboratory experience, workflow automation, equipment and method validation support, data analysis, and clear technical documentation.

Core Capabilities

- **Scientific and laboratory support:** molecular and cell biology, assay and reagent development, qPCR and ddPCR workflows, gene- and cell-therapy bioanalysis, laboratory setup, and equipment or vendor evaluation.
- **Quality and validation support:** protocols, SOPs, test methods, qualification and validation documentation, deviations and investigations, controlled records, training materials, and risk-aware work in GxP and quality-managed environments.
- **Automation and process improvement:** laboratory workflow automation, computerized tools, requirements translation, equipment integration support, inventory and sample-management workflows, and practical Lean process improvement.
- **Technical communication and advisory services:** scientific writing and editing, data interpretation, literature and technical reviews, due diligence, stakeholder communication, and project coordination.

Representative Principal Experience

- **BioAgilytix Labs:** led regulated bioanalytical development, qualification, validation, and sample-analysis work; supported qPCR and ddPCR methods, AAV and cell-therapy programs, equipment qualification, SOPs, deviations, and training.
- **IQVIA Laboratories:** developed laboratory-automation and project-management tools, improved automated workflows and reagent systems, supported equipment validation, and identified material process-cost risks.
- **Chaperone Therapeutics, through BDB LLC:** established and operated a startup research laboratory, coordinated equipment acquisition and suppliers, managed inventory and samples, and developed drug-screening workflows.
- **BASF Plant Science, assignment through Synectics:** validated analytical methods under EPA GLP requirements and supported study materials, SOP review, equipment calibration records, and regulated product-development documentation.

Differentiators

- Ph.D.-trained molecular biologist with more than 20 years across academic, biotechnology, contract-research, and consulting environments.
- Rare combination of hands-on bench science, regulated documentation, laboratory systems, process automation, software-development education, and client-facing technical leadership.
- Research Triangle-based, responsive small-business support available on site or remotely by arrangement.

Company and Procurement Information

Company detail	Information
Legal identity	Brian David Bower LLC, doing business as BDB LLC; established 2017
Business status	Small business; veteran-owned business; SBA VetCert certification not currently held
Federal registration	SAM.gov active UEI DAXLSA7B99F7 CAGE 24Q47
NAICS	541690 primary; 541714, 541715, and 541990 additional
North Carolina	NC eVP and NC eProcurement active Customer 4057946-A
Engagements	Focused consultation, project-based technical support, ongoing advisory support, and prime or subcontractor support

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