

Ballistics Assessment FBI Test Protocols

**Innovation.
Integrity.
Dependability.**



High Speed Video (120K FPS pictured here)

Dayton T. Brown, Inc. has provided the DoD, federal, state, local law enforcement and private industry communities with 60 years of unparalleled professional expertise in engineering and testing. Our engineering team has worked with these communities to help them answer some of their toughest questions. DTB is excited to bring that same tradition of innovation, integrity, dependability, knowledge and experience in Ballistics Assessment per FBI Test Protocols.

Testing per the FBI Protocol in Ballistics Gelatin

- Bare gelatin
- Heavy clothing
- Steel barrier
- Wallboard
- Plywood
- Heavy clothing
- Automotive safety glass
- High Speed Video (120K FPS)

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Product Life Cycle Support Services
Serving Military and Commercial Markets
Since 1950



* Accredited Test Lab
767.01, 767.02, 767.03

ISO 9001:2008
Registered



* NVLAP LAB CODE
200422-0

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* Please visit www.dtb.com for testing covered under our scopes of accreditation.

Dayton T. Brown, Inc. offers ammunition testing in accordance with the FBI Ammunition Test Protocol. The FBI ammunition test protocol is a series of practically oriented tests to measure a bullet's ability to meet certain performance standards. The result is an assessment of a bullet's ability to inflict effective wounds after defeating various intervening obstacles *commonly present in law enforcement shootings*. The overall results of a test are thus indicative of that specific cartridge's suitability for the wide range of conditions in which law enforcement officers engage in shootings.

Typical FBI Protocol tests:

40 shots, one block of gelatin per shot

Gelatin blocks are 6x6x16 inches blocks

10% gelatin by weight

Maintained at 4°C for 4 days before testing

Calibrated with 0.177" steel BB at 590 ft/s \pm 15 ft/s. Penetration depth from 2-15/16" to 3-3/4".

5 test shots per event:

Event 1: Bare gelatin at 10 feet range distance

Event 2: Heavy clothing at 10 feet range distance

Event 3: steel barrier at 10 feet range distance

Event 4: wallboard at 10 feet range distance

Event 5: Plywood at 10 feet range distance

Event 6: automotive safety glass at 10 feet range distance

Event 7: heavy clothing at 20 yards range distance

Event 8: automotive safety glass at 20 yards range distance



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DAYTON T. BROWN, INC.
ENGINEERING & TEST DIVISION



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