Subject	Test	Details	Sources/Cites	Location of materials/working papers
MC/CE 139	barrel width	FBI test/sulphur cast & micrometer	Frazier, 3H392	NARA/FBI labs?
MC/CE 139	scope mount	FBI comparison w/purchased rifle from Kleins C-250/CE 542	Frazier, 3H396	NARA?
MC/CE 139	accuracy/scope	FBI tests (3), 11/27/63(2), 3/16/64(1)	Frazier, 3H402ff	NARA/FBI labs?
MC/CE 139	accuracy	Army Ballistics Research Laboratory	Frazier, 3H412, Simmons 3H441	
MC/CE 139	Muzzle velocity	FBI test at Naval Research Lab on Dec. 2, 1963	Frazier, 3H400ff	NARA/FBI labs?
MC/CE 139	cartridge ejection	FBI conducted two tests on pattern of cartridge case ejection	Frazier, 3H401; CE 546, 547	
cartridge cases	identification	FBI, Determine whether shells found at TSBD were fired by MC/CE 139	Frazier, 3H414	
CE399	identification/ weigh	FBI, Determine whether bullet was fired from MC/CE 139	Frazier, 3H428	
CE 567	identification/ weigh	FBI, Determine whether the bullet fragment in limo was fired from MC/CE 139	Frazier, 3H432	NARA?
CE 569	identification/ weigh	FBI, Determine whether the bullet fragment in limo was fired from MC/CE139	Frazier, 3H435	NARA?
CE 572				
CE 573	identification	FBI, Determine whether the walker bullet was fired from MC/CE 139	Frazier, 3H 439	
MC/CE139	Accuracy/	Round to round dispersion to	Simmons, 3H442	

Ballistics tests on M-C Rifle (CE 139), bullets, fragments, and shells

	Dispersion	determine accuracy. Army Ballistics Research Laboratory		
MC/CE 139	Muzzle Velocity	Army Ballistics Research Laboratory	Simmons 3H443	
MC/CE139 Bullets	Yaw	Army Ballistics Research Laboratory/ developed spark shadowgraph pictures	Simmons 3H443	
MC/CE 139	Accuracy	long range accuracy/rapid fire test. Army Ballistics Research Laboratory	Simmons 3H444	
CE 567,569, 399	identification	Philadelphia Crime Laboratrory, Compared with CE 572 to determine whether they were fired from MC/CE139	Nichol 3H498 ff	
CE 573	identification	Compared CE 573 (Walker bullet) with CE 572 to determine if they were fired from MC/CE139.	Nichol 3H 503	
CE 543, 544, 545	identification	Compared with CE 557 (FBI test casings) to determine whether they were fired from MC/CE 130.	Nichol 3H 505	
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Identification is the use of microscopes to make comparison of microscopic markings on casings/slugs and determine if they originated from same weapon.

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