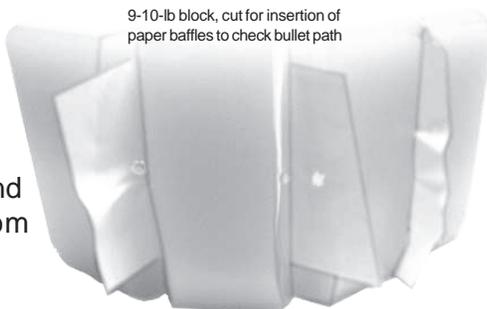




Sim-Test™

(Simulated Muscle Tissue Ballistic Test Media)

Test your bullets with re-usable, professional quality ballistic media!

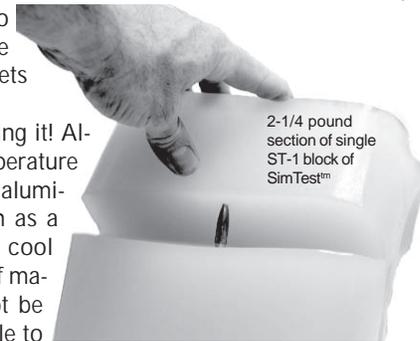


9-10-lb block, cut for insertion of paper baffles to check bullet path

- * **No refrigeration!** Use and store Sim-Test™ at room temperature!
- * **Long life!** Forensic labs report storage up to five years (guaranteed for 12 months) when stored in cool, dry location and kept wrapped with plastic film (supplied).
- * **Better muscle simulation** than water-based gels! Bullet performance more closely relates to game hunting than alternative media, with consistent, repeatable results.
- * **Less than half the price** per pound of old-fashioned, refrigerated gels. You can afford to test more often with Sim-Test™!
- * **No mixing!** Ready to use out of the box, for consistent density and meaningful comparisons without calibration.
- * **Infinitely reusable, easy melt and cast** into plastic, glass or metal kitchenware pans (liquid at 160-deg.F). Use a turkey cooker or crab boiler, or any other convenient portable double-boiler to re-melt and cast for another series of shots.
- * **Water-soluble!** Easy clean-up of bullets, containers. You can also dilute it to change the density, to be more like gelatin, if you wish to simulate softer tissue (this changes the calibration).
- * **Pleasant odor!** Sim-Test™ has an aroma similar to vanilla: it can be used in either indoor or outdoor ranges.

SIM-TEST™ (Simulated Muscle Tissue Ballistic Test Media)

Use Corbin SIM-TEST™ ballistic gel to develop a standard of performance comparison between your custom bullets and any other bullet on the market.



2-1/4 pound section of single ST-1 block of Sim-Test™

Do not over-heat when melting it! Always use a double boiler, so the temperature never rises over 212-deg. F. Pour into aluminum, pyrex or plastic container such as a cooking or bread pan, and allow to cool before using again. Suggested depth of material required to stop a bullet cannot be guaranteed: your back stop **must** be able to handle the bullet without regard to the use of SIM-TEST™, in order to be safe.

Slice blocks apart with music wire stretched on a hacksaw frame (like a blade). Slip sheets of paper between blocks or sections to easily locate the bullet path.

A cardboard carton is useful for retaining pieces of material which may be blown from the blocks with high energy impacts. Some of the material may be ejected backward toward the shooter, under certain conditions, so it is wise to shoot through a heavy plastic sheet (4 to 8 mils) stretched over the mouth of a carton, to help retain bits of material (which can be collected and remelted again). Lower energy impacts may appear nearly invisible: a 22 LR solid bullet "wound" channel is often hard to see, just as it is in "real life" incidents. Unlike clay or wet paper, SIM-TEST reacts to impact with the resiliency of living tissue, and does not "freeze" the maximum wound channel at full expansion.

As a rule of thumb, use 2 inches of depth for each 250 fps of expected impact velocity. Blocks are 3-inches thick, 7-inches wide, and 12-inches long (approximately) and weigh about 9-10 pounds. Here is a chart of velocity versus the number of blocks, lined up so the 3-inch dimension faces the shooter: this is a rough guide only, not a specification! Penetration varies with bullet shape and deformation as well as velocity.

Store in a cool, dry location for up to 1 year (some labs have reported over 5 years storage without refrigeration). Keep the material wrapped in plastic film when not in use. Store and carry in an ice chest or styrofoam "cooler" to maintain moisture content and protect from contamination.

Velocity	Blocks
250-375	1
375-750	2
750-1500	4
1500-2250	6 (1ctn)
2250-3000	8
3000-3750	10
3750-4500	12 (2 ctns)

S T-1 Sample Size (9-10 lb block)
ST-6 Carton of 6 ST-1 blocks

Order on-line at
www.SwageDies.com

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