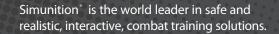
## As real as you can get syst High-teck





The 5.56mm FX\* is designed using the Simunition\* patented reduced-energy cartridge and works with a conversion bolt, increasing safety and ensuring proper weapon functioning.



The 5.56mm FX Marking Cartridge has many impressive features:

- Designed for military and law enforcement personnel
- · Non-toxic and non-lethal projectile
- Detergent-based, water-soluble color marking compound
- · Available in red, blue, and white
- Similar impact penalty as the 9mm FX \* Marking Cartridge
- Visible impacts allow accurate assessment of simulated lethality
- Tactically accurate to 30 m (100 ft.)
- Reduced noise level, no hearing protection required
- Convenient for training any time, any place, indoors and outdoors
- Affordable
- Distributed worldwide exclusively through the Simunition network
- Used with FX<sup>o</sup> 9000 series protective equipment

In addition, the Simunition conversion bolt:

- Comes with a FX\* blue tape to ensure safe training
- User-installed temporary weapon conversion; no tool required
- Safe design helps preclude the chambering of lethal ammunition
- Works with the user's service weapon without adding extra weight
- Realistic weapon functioning, capable of firing in semi-auto and fully-automatic modes

## The 5.56mm FX° Marking Cartridge is ideal for training:

- Reality-based, force-on-force interactive scenario
- Urban fighting (MOUT/FIBUA)
- Anti-terrorism
- Convoy protection tactics
- Compatible with laser-based training simulators
- Patrol exercises
- Close-quarter battle (CQB)
- · Shoot/No shoot decisions
- Individual/Team situations
- Room/Building/Trench clearing
- Mission rehearsal

FX ° Scenario Instructor and Safety Certification Course

- · Highly qualified professional trainers
- Offered worldwide; check our Web site at www.simunition.com





## As real as you can get<sup>™</sup> with 5.56 MM FX MARKING CARTRIDGES

C OMPONENTS	
Designation	FX* Marking Cartridge
Caliber	5.56mm
Projectile mass	Approx. 0.23 g (3.5 grains)
Projectile material	Plastic
Cartridge case	Copper alloy
Marking compound	Non-toxic, detergent-based, water-soluble
Marking colors	Bright fluorescent in red, blue and white
P r im e r	Small rifle primer
Propellant Propellant	Single or double-base smokeless powder
·	
B ALLISTIC DATA	
Nominal velocity at 3.5m (12ft.): 21°C (70°F)	Approx. 200 m/s (650 fps)
Accuracy at 21°C (70°F)	Max. 15cm.(6in.) at 10m(30ft.), 40cm(16in.) at 30m(100ft.) Shoulder fired
Maximum range	Approx. 200m (660 ft.)
Penetration in 20% gelatine at 1 m (3 ft.)  None	
Energy at 3.5 m (12 ft.)	Approx. 5 joules (3.7 ftlbs)
Ballistic Match	Max. 30cm (12in.) at 30m (100ft.) Shoulder fired
Sound level at 1 m (3 ft.)	Approx. 102 dBA
TERMINAL EFFECT	
Lethality	Non-lethal bruises, welts or scrapes
USE	
General	For use with Simunition conversion bolt only
Operational temperature range	-8°C (18°F) to +40°C (104°F)
Mandatory safety equipment	Head, eye, throat and groin protection
Firing modes	Single shot, burst and fully-automatic
MANDATORY	
Shelf life	Eighteen months in original packaging
Recommended storage	Cool, dry environment, 25°C (77°F) max.
WEAPONS	M249/Minimi/C9/FN Mark 46
	Colt-style M4/M16, Diemaco C7/C8 Family, AR15 (without sporter block)
	H&K G36 Family
	FNC/AK5 Family
	AR15 (with sporter block)
	Sig 550/551
	Famas (under development)
	SA80 (under development)
	Styer (under development) Sig 552 (under development)

## Guidelines for use

- Intended for law enforcement and military training
- Use only under the direction of a qualified Simunition training safety officer
- Use only in firearms which have been converted with a Simunition conversion bolt
- Users must wear approved FX\* protective gear (head, throat and groin protection) and full-body covering including hands
- Simunition requires a minimum 3-foot stand-off distance when firing clipped 5.56 mm FX\* Marking Cartridges at personnel and 6-foot for linked 5.56 mm FX\* Marking Cartridges
- Clearly identify converted weapons with FX' blue tape on the barrel, grip and on the magazines
- Simunition<sup>\*</sup> assumes no responsibility for injuries, loss or damage resulting from misuse of this ammunition

Dimensions weights and velocities are nominal. US Patent No. 6,625,916 and 6,439,123; European Patent Pending; also Patented or Patents Pending in numerous other countries.



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