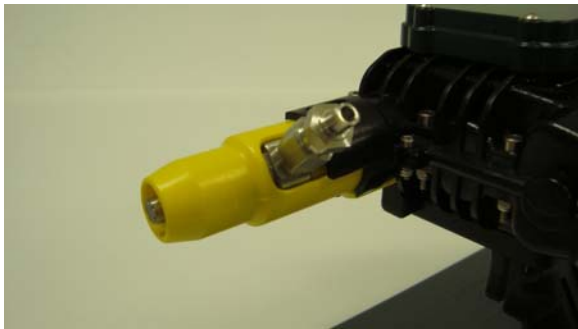


ACUSHOT NEEDLE FREE Needle-Free Injector

AcuShot Inc is committed to providing next generation needle-free injection technologies to the Chinese marketplace. AcuShot needle-free injection technology has been introduced in the United States, Canada and Europe and has been used in the veterinarian industry.

AcuShot needle-free injectors get their injection power from a proven, more consistent power Cylinder technology. This power Cylinder is compressed and locked into triggering position by our patented motorized mechanism. The motor is driven by the latest in Lithium polymer rechargeable battery technology.



The AcuShot needle-free injectors provide pressure and consistent power delivery during injection. AcuShot needle-free uses power cylinders starting as low as 8000 psi going up to 30,000 psi. The force generated from these power cylinders propels the injection piston forward. The power delivers the needed dosage at the beginning of the injection to pierce into the animal's skin and muscle. The injected dose is absorbed into the muscle and blood stream. The AcuShot A needle-free injector

provides extremely accurate dose at levels range from 0.20 cc – 2.50 cc, adjustable in 0.10 cc increments. The AcuShot S needle-free injector provides extremely accurate dose at micro levels range from 0.05 cc – 1.35 cc, adjustable in 0.05 cc increments. The orifice of each AcuShot needle-free injector is less than 0.7 mm which is three times smaller than the normal needle.

The AcuShot needle-free injectors provide four power cylinders, which can be used on all sizes of livestock.

Power Cylinder Selection				
Pigs / Cows / Sheep		Intradermal	Subcutaneous	Intramuscular
Piglet	Up to 2 weeks	Green	Green	Green
Pig	Up to 60 lbs	Blue	Blue	Blue/Red
Finisher	60 lbs to market weight	Blue/Red	Red	Red/Yellow
Sow		Red/Yellow	Yellow	Yellow
Calves	Up to 6 months	Blue/Red	Blue/Red	Red
Feeder cattle		Red	Red/Yellow	Yellow
Dairy Cows		Blue/Red	Red	Red/Yellow
New born Lamb	Up to two weeks	Green	Green	Green
Lamb	Up to 6 months	Blue	Blue	Blue/Red
Sheep	Over 6 months (Ewe, Ram)	Blue/Red	Red	Red/Yellow

The AcuShot needle-free injector has onboard electronics which monitor key components and injection characteristics for each shot. It helps the operator to simplify priming the injector and select and deliver the accurate dosage. The AcuShot injectors electronically monitor each injection and record data from multiple points. If the data becomes inconsistent or an operating error is made, the injector will make an audible sound and will display the nature of the error on its LCD display.



The recorded data can be transferred to a PC using a USB interface.



The AcuShot Needle-free injectors are battery operated, high workload, handheld, mass vaccination injectors. The battery is removable, rechargeable and installs in the unit. It can be used on a hands-free stand for smaller livestock like new born piglet and poultry or can be used with a remote injection hand piece for easy use with larger livestock.

The AcuShot needle-free injectors are able to perform approximately 400 – 500 injections per battery charge. The power cylinders are able to deliver over 500,000 injections before the power cylinder should be replaced.

The AcuShot needle-free injectors provide the veterinarian industry with revolutionary needle-free equipment that enables spot treatment of single animal and mass-vaccination of large populations in a cost effective, efficient and easy to use format.

The AcuShot needle-free injectors are safer for livestock and reduce chance of infection or disease transmission. It can eliminate the ongoing cost and disposal of hazardous needles. It is also safer for users than needles. The AcuShot injector is a 100% stand alone and self contained unit.



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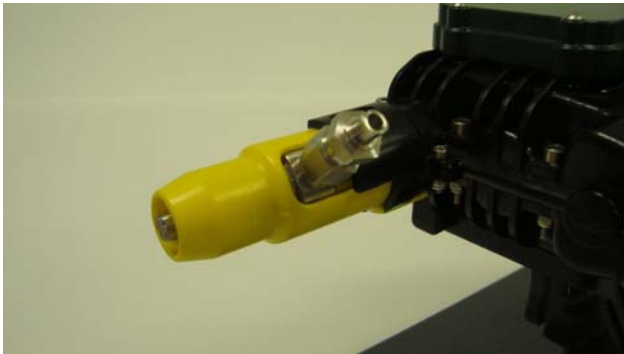
加拿大AcuShot公司最近在中国市场推出了最新开发的AcuShot兽用无针头注射器 (needle-free injector)。这是加拿大AcuShot公司继在美国，加拿大，和欧洲市场推出最新开发的AcuShot兽用无针头注射器后的又一重大举措。

加拿大AcuShot公司开发并拥有专利的兽用无针头注射器使用电池和一根细长的压电传动器作为动力。当电流通过时，压电传动器就会相应地膨胀和收缩，将注射药剂从药剂管中吸出，并在高压下将注射药剂变成细微的射流，通过喷头高速推射注入动物的皮下或肌肉内。



AcuShot的兽用无针头注射器使用电子控制结构，可以准确把握注射的剂量和速度。AcuShot的兽用无针头注射器的注射压力可以在8000-30000 psi (500-2000 标准大气压)之

间。AcuShot的兽用无针头注射器的注射压力能够顺利穿透动物的皮肤和肌肉，并瞬间将药物通过皮肤注入动物体内。药物经动物组织吸收后或进入血液循环从而发挥药效。AcuShot的 A 型兽用无针头注射器提供注射剂量的范围可以控制在 0.20-2.50 cc 之间,调节计量以0.10 cc增加。AcuShot的 S 型兽用无针头注射器提供注射剂量的范围可以控制在0.05-1.35 cc 之间,调节计量以0.05 cc增加。AcuShot的兽用无针头注射器的导管喷嘴直径只有70微米，比最细的皮下注射器针头要小3倍。



AcuShot的兽用无针头注射器配有四种压电传动器，可以根据动物的种类和体积大小进行调整。

兽用无针头注射器 - 压电传动器选用详表 (注射深度)

猪 / 牛 / 羊	皮层内的	皮下的	肌肉的
两周左右的小 (猪)	绿色	绿色	绿色
30公斤左右 (猪)	蓝色	蓝色	蓝色
30公斤以上 (猪)	蓝色/红色	红色	红色/黄色
大母猪	红色/黄色	黄色	黄色
6月大的 (牛仔)	蓝色 / 蓝色	蓝色 / 蓝色	蓝色
成长 牛	红色	红色/黄色	红色/黄色
奶 牛	蓝色/红色	红色	红色/黄色
两周大的羊羔	绿色	绿色	绿色
6个月大的羊	蓝色	蓝色	蓝色/红色
6个月以上的绵羊	蓝色/红色	红色	红色/黄色

AcuShot的兽用无针头注射器是一种高度灵活的设备。配备有计算机芯片和数字显示功能。可控制每次的注射计量，自动记录注射成功次数。AcuShot的兽用无针头注射器可通过配有的音响警示出现的错误并由LCD液屏显示错误原因。AcuShot的兽用无针头注射器配有U盘接口以便利于下载注射纪录。



AcuShot的兽用无针头注射器配有背带和腰带悬挂部件,以方便防疫人员携带。AcuShot的兽用无针头注射器的可充电电池每充一次电可注射400 – 500 剂药物,每一个压电传动器可连续注射 500,000 次以上。可极大地提高注射效益和节省劳力。被广泛用来动物养殖场的防疫和疫苗接种站的动物疫苗接种。它非常适合在大规模预防流行性疫病爆发时为动物群体注射预防药。从而为预防疫病蔓延流行提供及时的免疫措施。



由于不需使用针头和无需与动物的皮肤接触，AcuShot的兽用无针头注射器可减少注射点皮肤和肌肉组织的损伤,可能的外部感染和脓肿。可降低皮肤表面传播细菌的概率，并降低动物交叉感染、呼吸道病菌综合征和其它血液疾病的风险。同时又降低了断掉的针头和剩余的断针留在动物的皮肤和肌肉内的几率。

AcuShot的兽用无针头注射器与有针头注射器相比，避免了最后丢掉使用过的针头和注射物，减少有害废料,避免造成严重的环境污染。

这种注射器的优点是操作简便迅速，局部反应轻微，并可缓解动物在注射疫苗、或药物时的疼痛感。减轻动物的恐惧感，对操作者无刺伤的危险，因而适合大规模预防接种。



您如需购买 AcuShot 的兽用无针头注射器，或了解详细的情况，敬请联系：

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