



## Equipment/Supplies Required or Acceptable for FLS Remote Skills Testing

*Materials only suitable for skills training or practice are noted as such*

### Standardized FLS Supplies

FLS trainer box system with all provided cables and attachments in good working order

Peg transfer board (with 6 colored rubber objects)

Jumbo clip with Velcro

Red/White Velcro suture block

*Replacement parts and accessories for FLS trainer box system are available at [www.fls-products.com](http://www.fls-products.com)*

### Additional Required Equipment/Supplies

Video monitor for use with the FLS trainer, minimum size 15" (must have composite/RCA video input)\*\*\*

2 Trocars/ports (at least 10mm, should be 'low-profile')

2 Maryland Dissectors

Endoscissors or Endoshears (sharp!)

Grasper with a locking handle/locking grasper

2 Laparoscopic needle drivers (cannot be self righting)

1 Open-ended knot pusher

1 Closed-ended knot pusher

### Other Useful Materials/Equipment

Height-adjustable tables

Step stools

A/V cart or wall mount for monitor

Power strips/extension cords

Sharps box

Additional tables/carts for instruments and facilitator

\*\*\*Almost all televisions (old and flat screen) have a composite or RCA video input (yellow, round). Some Stryker monitors have only a SVideo input and in this case, you would need to purchase an S- video to RCA adapter (Radio Shack carries these). We do not recommend trying to use a computer monitor (unless it already has an RCA video input) as you will need to purchase a signal converting box (can be expensive and also very hard to find) and even then the picture is not ideal due to the fact that the signal is being converted from analog to digital and some quality is compromised.

## Helpful Industry Product Information

Listed below are **A FEW examples** of acceptable products/equipment. Please do not construe as official endorsements or anything other than suggestions

### Needle Drivers

(Self-righting needle drivers are NOT acceptable for use during the FLS exam)

LTI Laparoscopic Needle Driver (Left) Part#: 50385

LTI Laparoscopic Needle Driver (Right) Part#: 50384

Ethicon needle driver E 705R

Storz KOH Macro Needle Driver/Holder ergo pistol #26173 KM

Storz KOH Macro Needle Driver/Holder ergo pistol #26173 MC

Storz KOH Macro Needle Driver/Holder #26173 MR and ML

Olympus needle driver A5690

### Maryland Dissectors

LTI Maryland Dissector Part#: 50381

Ethicon Endopath Curved Dissector 5DCD

Storz Kelly/Maryland grasper, complete instrument #33121, 33300, 33310ML

Covidien Endo Dissect 5mm REF 176645

### Grasper w/ Locking Handle

LTI Grasper (Locking Handle) Part#: 50382

Ethicon Endopath Grasper 5DSG

Covidien Endo Grasp 5mm #173030

### Endoscopic Scissors

LTI Endoscissors Part#: 50383

Ethicon Endopath 5 mm Scissors 5DCS

Storz Endoscopic Scissors, complete instrument with two inserts #33121, 33300, 33310

Covidien Endo Shears 5mm REF 176643

### Knot Pusher

(Both open and closed knot pushers are acceptable)

LTI Open- and Closed-ended Knot Pusher Part#: 50386

Cook Medical Clarke-Reich Laparoscopic Knot Pusher (product # G16681) Order # J-CRKP-042900

Covidien Endo Slide #174510 (open knot pusher)

Storz open and closed knot pusher 26596D

Storz open knot pusher 26596 SK

### Trocars

LTI Trocars (pair) Part#: 50330

Ethicon-Endo Xcel 11mm bladeless trocar B11LPH

Ethicon-Endo Xcel 12 mm bladeless trocar B12LT

Covidien Thoraport 11.5mm REF 179303

### Monitor

LTI Medical 19" video screen product Part#: 50321

Stryker and Sony endoscopy monitors work very well with the FLS Trainer box

Most color standard or HD televisions (at least 15" screen) with an RCA or composite video input should work

### Sharps Container

Most standard sharps containers are fine

### Height Adjustable Tables

LTI Mobile SimCart for FLS Trainer System Part#: 50322

### Instrument Kit

LTI FLS Approved Instrument Kit Part#: 50380

*(FLS Approved Non--Clinical/Not Sterilized)*

- 2 LTI Maryland Dissectors
- 1 LTI Endoscissors
- 1 LTI Grasper (Locking Handle)
- 1 LTI Laparoscopic Needle driver (Right)
- 1 LTI Laparoscopic Needle driver (Left)
- 1 LTI Open- and Closed- ended Knot Pusher

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