

The ExEm® Foam Kit enables easy recognition of tubal patency. The ExEm® gel has been specifically developed for gynaecological intracavity ultrasound imaging and is CE marked for this purpose. By mixing ExEm® gel and purified water a gel foam is created. After infusing the foam through the uterine cavity into the fallopian tubes, practical ultrasound images can be obtained to check the patency of the fallopian tubes in infertility patients.

## Benefits

- Office based solution
- Superior fill images
- A bright visualization of contour of fallopian tubes and uterine cavity
- Used in combination with ultrasound imaging
- Less need for radiology or laparoscopy
- Simple to use
- Reduced discomfort for patient
- Perfect control over administration of gel foam
- Excellent tubal transit
- Value for money

## ExEm® Foam Kit:

- Syringe with 10 ml ExEm® gel
- Syringe with 10 ml purified water
- Syringe 20 ml empty
- Coupling device
- ExEm® HSG catheter



## Necessities

- ExEm® Foam Kit
- Side-opening speculum
- Transvaginal ultrasound equipment

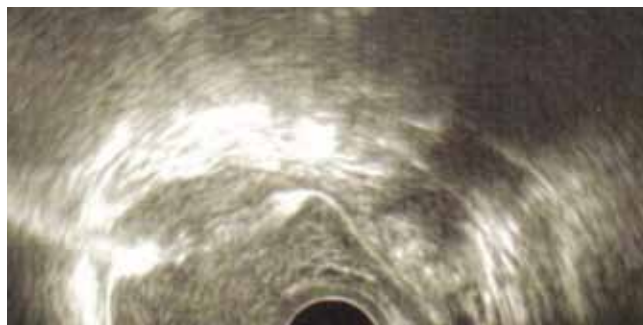


Picture A



## Essentials

Be sure that the ExEm® Gel and purified water are mixed extensively like in **Picture A** so that a milky white foam is created.



Tubal Patency Test by  
**ExEm® Foam Kit**

**Manufacturer GISKIT BV**

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**IQMedical**  
Ventures BV

For more detailed information about The ExEm® Foam Kit, visit our new website:  
[www.iq-medicalventures.com](http://www.iq-medicalventures.com). GISKIT BV is a subsidiary of IQ Medical Ventures BV



Tubal Patency Test by  
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Courtesy of Dr. Exacoustos, Rome

Fallopian tube abnormalities account for up to 40% of female subfertility (Snick et al., 1997; Steinkeler et al., 2009). Assessment of tubal patency is one of the first steps in fertility investigations\*.

\*Chou Phay Lim et al., Human Reproduction, Vol.26, No.5 pp. 967- 971, February 26, 2011 - University of Aberdeen

A simple and reasonably priced product for Tubal Patency testing is presented by the ExEm® Foam Kit.

## Procedure

1. Connect the empty 20 ml syringe and the coupling device.

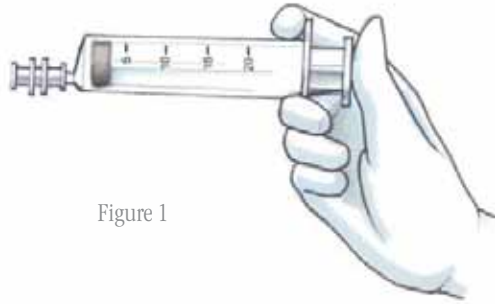


Figure 1

2. Connect the 10 ml syringe with purified water to the coupling device as mounted on the 20 ml syringe.
3. Inject the complete contents of purified water into the 20 ml syringe.

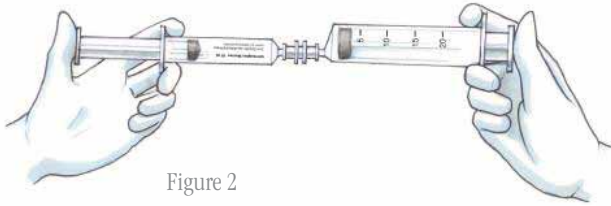


Figure 2

4. Disconnect the empty 10 ml syringe and leave the coupling device on the 20 ml syringe. The 20 ml syringe is now partly filled with purified water.
5. Connect the 10 ml syringe with ExEm® Gel with the coupling device which is left on the 20 ml syringe.
6. Mix the ExEm® Gel with the purified water by injecting the fluids (Fig. 3.) from one syringe through the coupling device into the other syringe (at least 10 times). This creates a milky white gel foam (Picture A). This recipe turns out to be excellent in creating a gel foam that is sufficiently stable to show a perfect fill image and is sufficiently fluid to pass patent tubes.

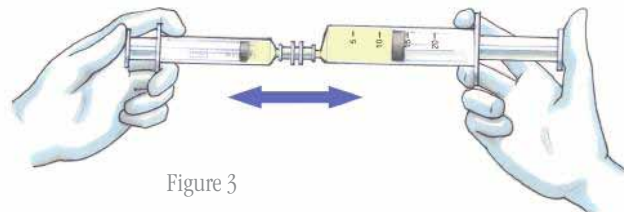


Figure 3

7. Leave the gel foam in the 20 ml syringe and disconnect the empty ExEm® Gel syringe and coupling device.
8. Connect syringe containing the gel foam to the catheter.
9. Introduce side-opening speculum.

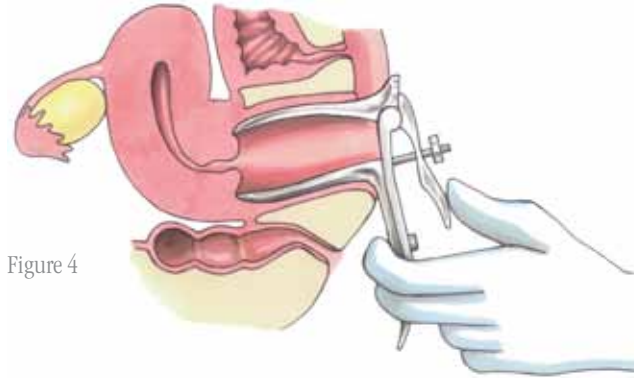


Figure 4

10. By gently filling the catheter with gel foam, allow the air to escape the catheter before introduction. Gently introduce the catheter into the cervix.

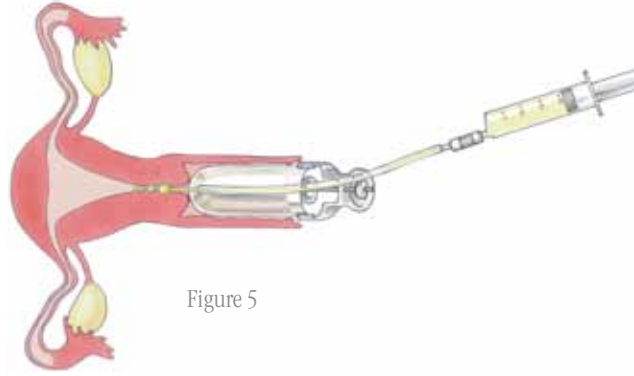


Figure 5

11. Remove speculum.

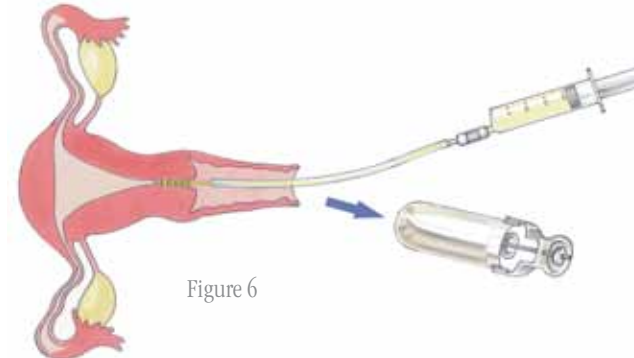


Figure 6

12. Position the ultrasound transducer and slowly infuse the gel foam in order to avoid discomfort.

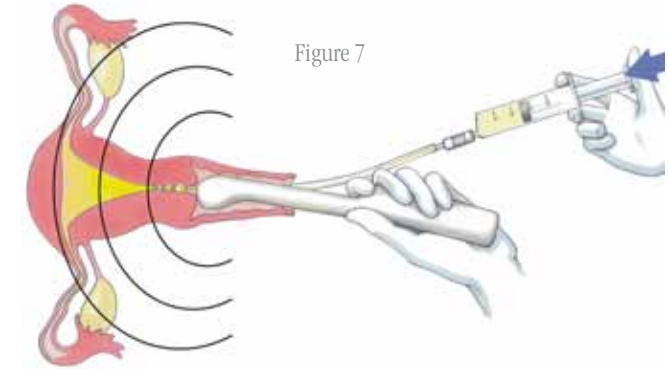


Figure 7

13. Determine tubal patency.

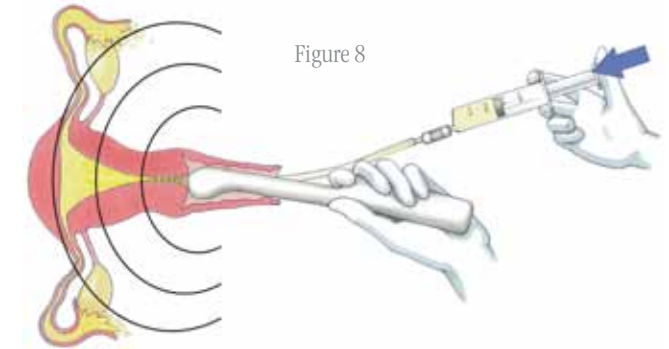


Figure 8

## Result

During the ultrasound procedure the fallopian tubes will be visible for a short period of time. If not, the passage of one or both of the fallopian tubes might be disturbed.