

IMPROVING IUI OUTCOMES

Understanding the latest sperm science in the ZyMöt™ revolution

Intrauterine insemination (IUI) is routinely used as the first line of treatment for infertility patients. The procedure is less invasive, requires little or no medication, and amounts to a fraction of the cost of an IVF cycle. Pregnancy rates following IUI treatment have historically been low, and it is common for patients to complete multiple IUIs prior to moving on to an IVF cycle.¹

A Better Way to Process Sperm for IUI

ZyMöt Sperm Separation Devices offer an alternative preparation method that allows for **simple, natural, and effective isolation of motile sperm with the greatest chromatin integrity**. Previous studies have demonstrated a reduction in IUI pregnancy rates in couples with elevated levels of DNA fragmentation.² **ZyMöt devices have been shown to reduce sperm DNA fragmentation and cellular stress.**³

Results: In a retrospective study of 265 IUI patients with unexplained infertility, patients whose semen samples were processed using ZyMöt Sperm Separation Devices were 3.5 times more likely to achieve an ongoing pregnancy than the age-matched control group, where sperm was processed with the traditional, centrifugation-based method.⁴

The effect of IUI sperm preparation method on pregnancy outcomes: ZyMöt improves treatment prognosis.

	DGC Processing	ZyMöt Processing
Patients	132	133
% Positive Beta hCG	15.5	18.4*
% Clinical Pregnancy	12.9	15.0*
% Ongoing Pregnancy	9.1	15.0*

Additionally, the ZyMöt IUI treatment group experienced a reduced miscarriage rate compared to patients whose semen samples were processed by density gradient (0% vs. 5% respectively).⁴



The ZyMöt Multi (850µL) device accepts 850µL of raw semen input, and yields a final sample volume of 500µL — directly suitable for IUI procedures.

Conclusion: Processing sperm with ZyMöt devices can improve a patients' IUI treatment prognosis at the onset of their infertility journey, offering the greatest chance of success with the lowest risk treatment option.

Simple to Adopt. Easy to Use.

FDA-cleared, CE-certified and available worldwide, ZyMöt Sperm Separation Devices efficiently isolate the healthiest, rapidly progressive sperm, to help achieve outcomes that matter.⁵ Minimal training is required, with simple, standardized procedures that help users quickly achieve optimal performance. **ZyMöt Sperm Separation Devices are a better way to prepare sperm. It's that simple.** Learn more at zymotfertility.com.

References

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