

Tissue Expander Ellipsoid

Permanent hydrogel implant for testicle replacement



| Introduction: Self-inflation by osmotic principle

osmed self-inflating tissue expanders are made of a specially developed hydrogel that uses the osmotic principle to gain volume.

Before expansion, osmed hydrogel expanders are small and hard and are easy to handle. After implantation, osmed hydrogel expanders absorb body fluid and grow consistently to their predefined form and size.

General advantages of osmed tissue expanders are: safe material, low complication rate, low risk of infection, small incision, minimal trauma and short surgical time; controlled swelling without pressure peaks. A short surgical time reduces post-operative pain and saves costs.

| Indications for use



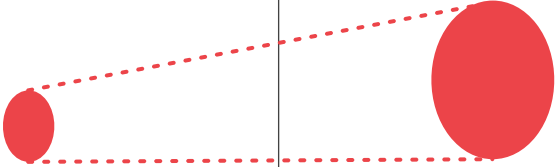
Tissue expanders Ellipsoid are used as permanent implant for testicle replacement.

After implantation the volume increases up to a factor of 14 and leads to a consistency with over 90% autologous body fluid.

| Special advantages

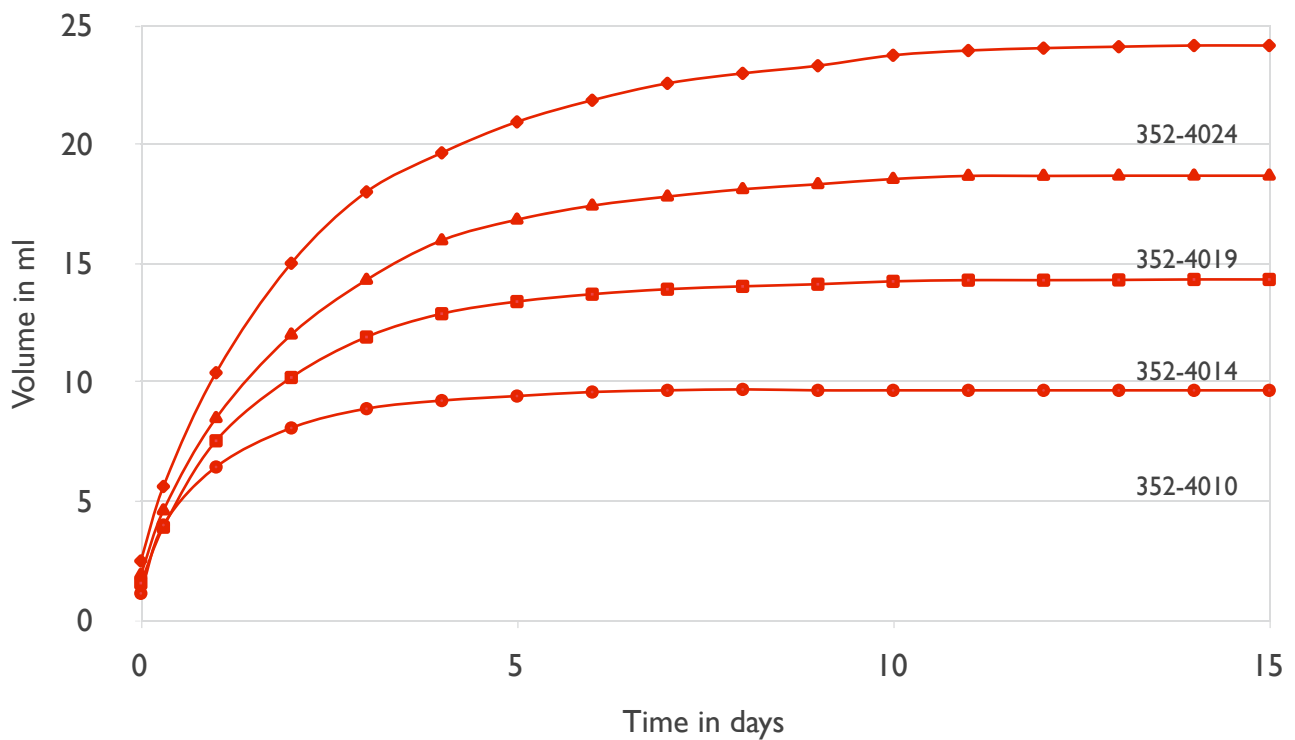
- ⤿ Very high biocompatibility
- ⤿ Over 90% autologous body fluid
- ⤿ Small incision
- ⤿ Easy explantation possible (if desired)

Dimensions

		Before swelling			After swelling*		
							
Order No.	Item	Volume	Length	Diameter	Volume	Length	Diameter
352-4010	Ellipsoid 10 ml	1.1 ml	15 mm	11 mm	10 ml	31 mm	23 mm
352-4014	Ellipsoid 14 ml	1.6 ml	17 mm	12 mm	14 ml	38 mm	26 mm
352-4019	Ellipsoid 19 ml	1.9 ml	18 mm	13 mm	19 ml	41 mm	30 mm
352-4024	Ellipsoid 24 ml	2.5 ml	20 mm	14 mm	24 ml	47 mm	31 mm

* in vitro in 0.9% NaCl-Sol.

In-vitro-swelling-curve*



* in-vitro in 0.9% NaCl -solution