

Raumedic at a glance

Your partner in the
Bio-Pharmaceutical Industry

2022-11

RAUMEDIC – your strong partner



Team
> 1.200



Experience
> 70 years



REHAU
= Family



Innovation
≈ 15 % R&D



Sales
≈ 150 Mio. €



Material
= medical grade

Raumedic focuses on the following pharmaceutical areas of activity:

Bio-Pharmaceutical Production

Fluid handling solutions for upstream and downstream



Tubes



Tube sets



Bags



Stoppers



Syringes



Wearables

How can Raumedic support you?



Bio-Pharmaceutical Production

What is your need or goal with regard
to the production line?

Bio-Pharmaceutical Production

Support during every process step



Standard tubing for upstream and downstream processing

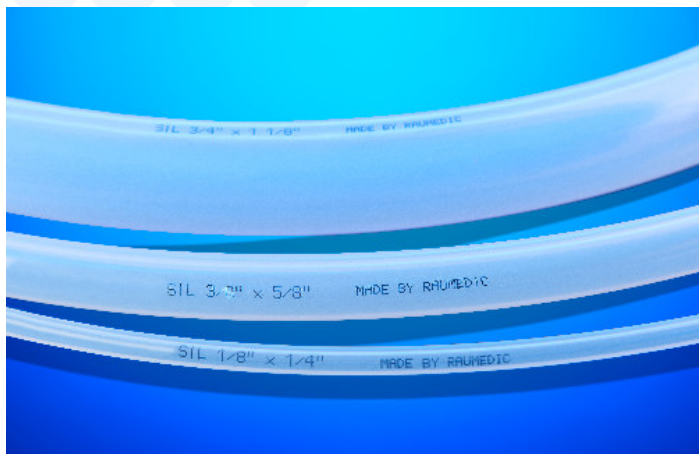
High-purity tubing for the transfer and filling of sensitive (bio) pharmaceutical fluids

Customized tubing and transfer sets

Autologous and allogeneous production possible

Bio-Pharmaceutical Production

Dedicated fluid handling portfolio



Silicone

Low Tack® surface for reduced adherence and printed for easy assembly



Thermoplastic Elastomer

Colour coded for distinction between sizes and for easy assembly



Braided Silicone

For high pressure filling lines

Our tubings and sets have been intensively used in Covid 19 vaccines production.

Bio-Pharmaceutical Production

Variability of connectors



Overmolded Tri-Clamps

Overmolded connectors for a safe and durable connection



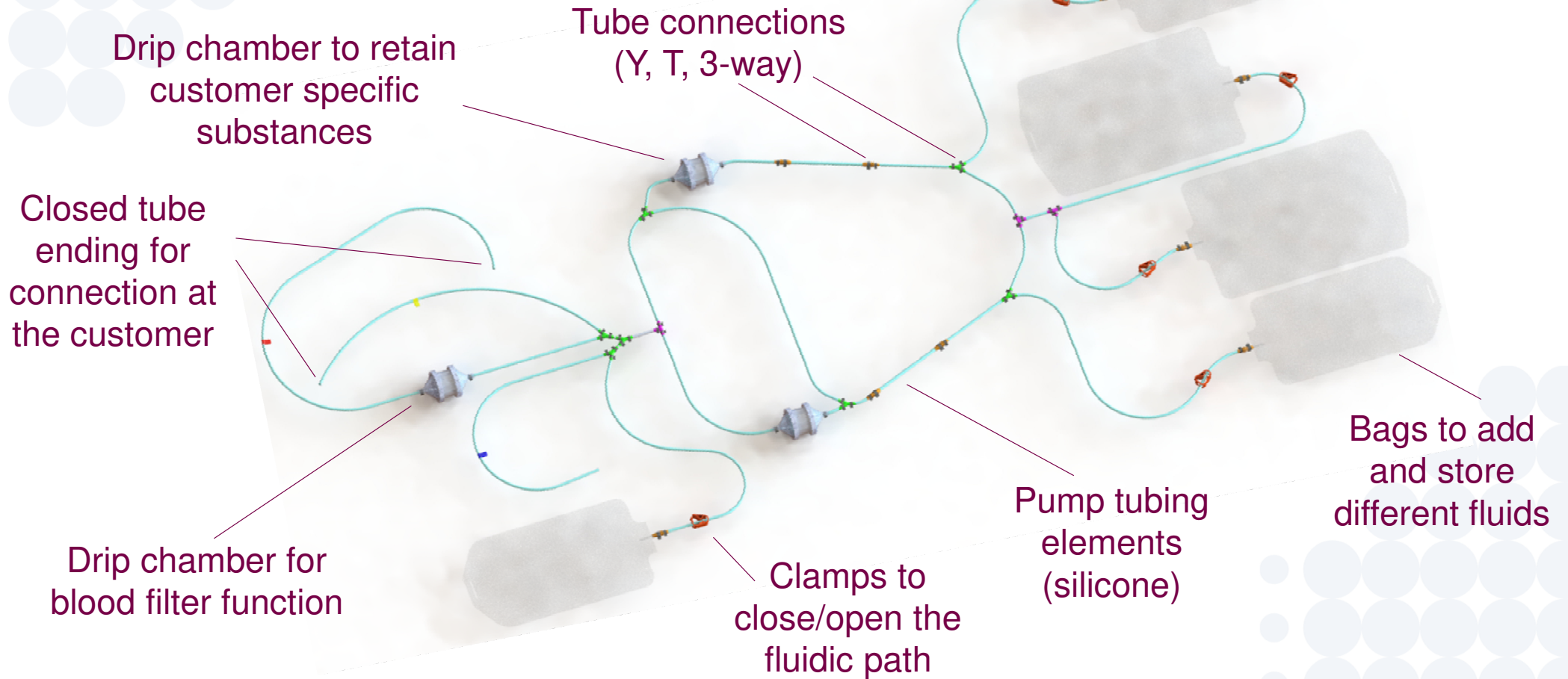
Polycarbonate Connectors

Specific design to prevent damages to liquid or tubing (developed by Raumedic)

Standard Connectors for aseptic dis- and reconnection can also be assembled

Bio-Pharmaceutical Production

Solutions adjusted to your needs

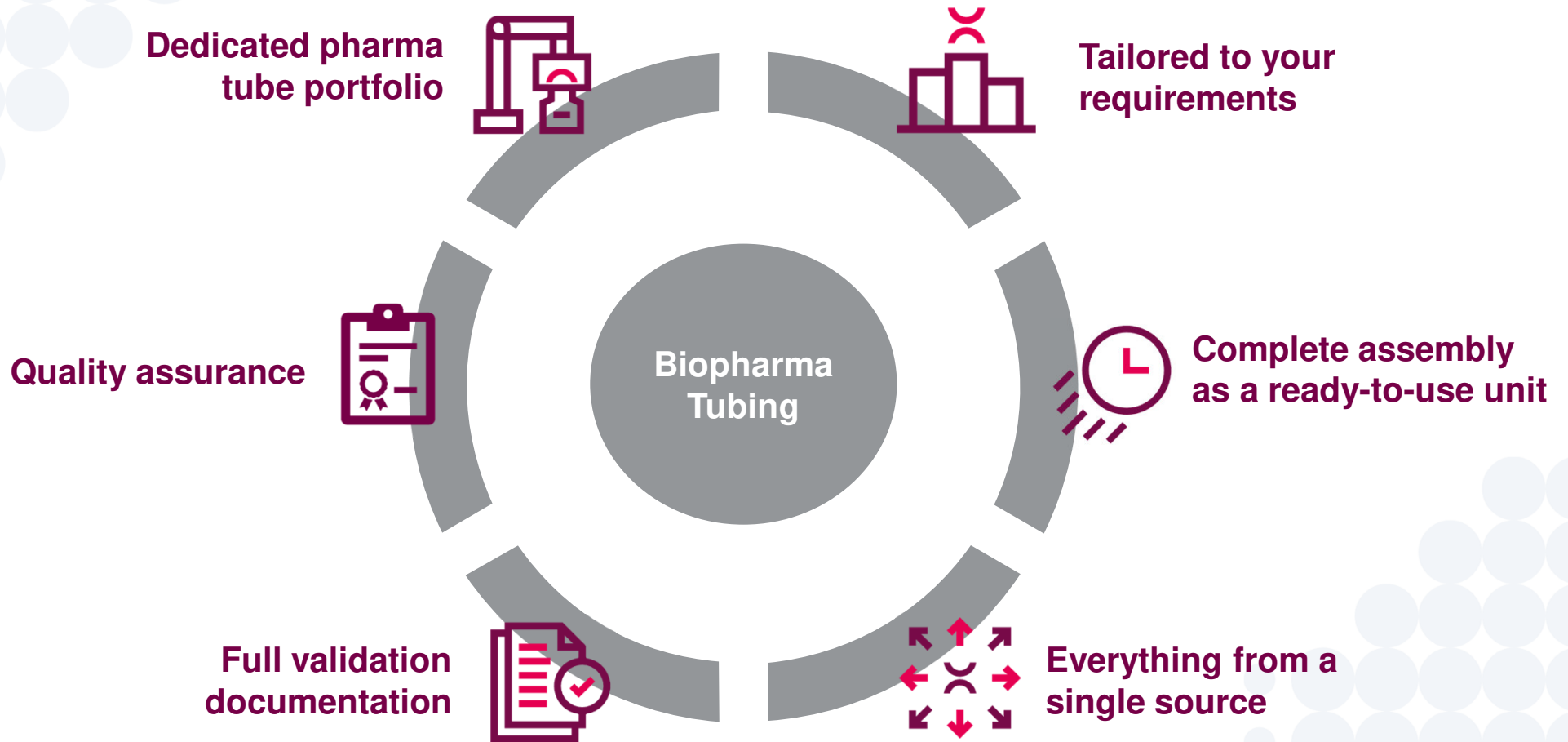




Bio-Pharmaceutical Production

Raumedic's service for your project

Raumedic biopharma tubings offer significant advantages:



We understand your requirements:

- Tube standard portfolio
- Customisation options
 - Colour coded
 - Tubes developed according to your special requirements
- Customised single use assemblies
 - Bags in various sizes
 - Aseptic connectors
 - Individual inserts

→ **Certified for your application**

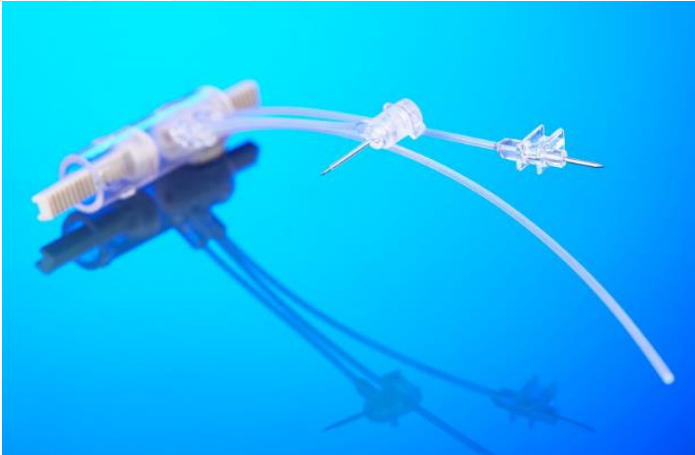




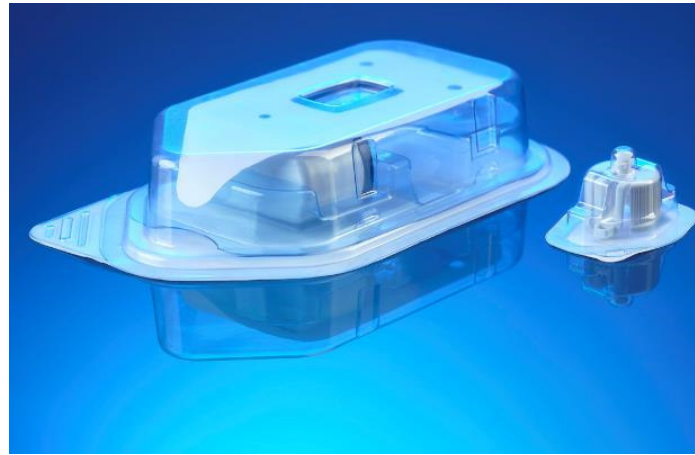
Drug Delivery

Are you looking for an innovative way
to deliver your valuable drug?

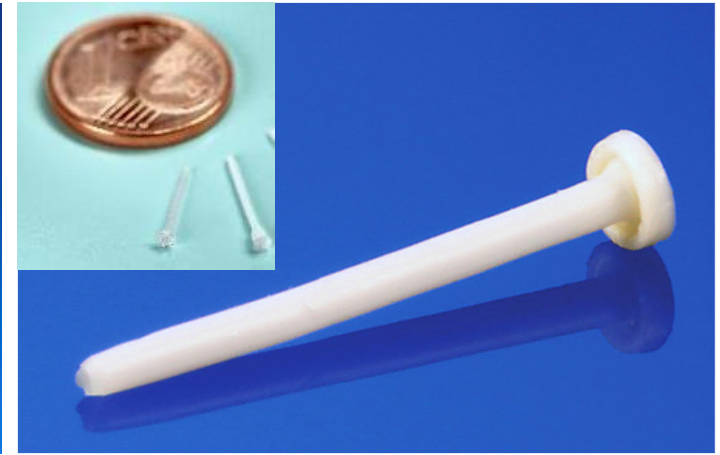
Automated Drug Delivery



Part of a Patch Pump
Connection between the drug reservoir and the patient



Delivery of the complete product
Safe and sterile packed in a blister



Soft Cannula
Remaining in the patients skin after the needle has been retracted

Our units have been in use for several years.

Individual Drug Delivery



RAUSAFE®

Cannula protection for safe disposal during home care



Double Chamber Syringe

Ready to be prefilled and stored



Liquid Dosing Device

A specific dosage can be set and cannot be accidentally changed afterwards.

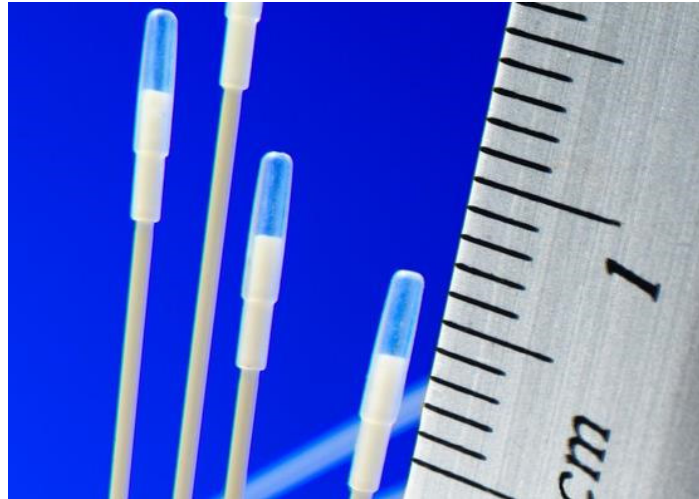
Our syringes have been in use for several years.



Other applications

Medical devices for different purposes

Micro-Injection Molding



Injection Molding

with thermoplastic elastomers, PEEK, PSU, and silicone
in smallest dimensions

Micro-Tubing

Facts in short



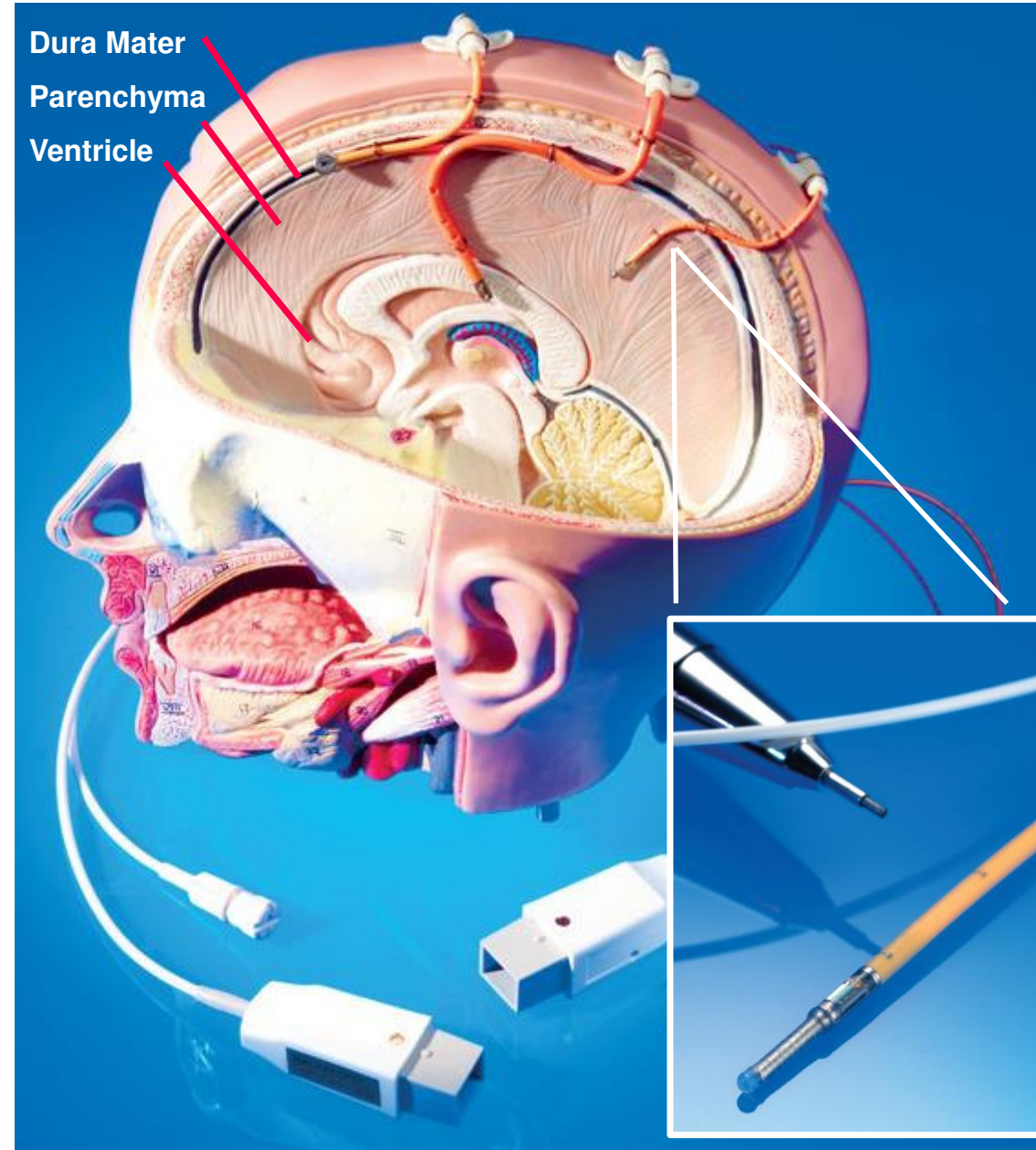
- ID down to 100 μm – WT of 50 μm – tight tolerances: $\pm 20 \mu\text{m}$
- Embedded contrast or radio-opaque stripes
- Multilumen-Tubing – up to 12 lumen possible
- Electronic components such as cameras can be integrated

Neuro-Monitoring Neurovent®

Measurement of

- Intracranial Pressure (ICP)
- Temperature
- Epidural pressure
- Oxygen Partial Pressure
- CSF-Drainage

Developed by Raumedic



Catheter



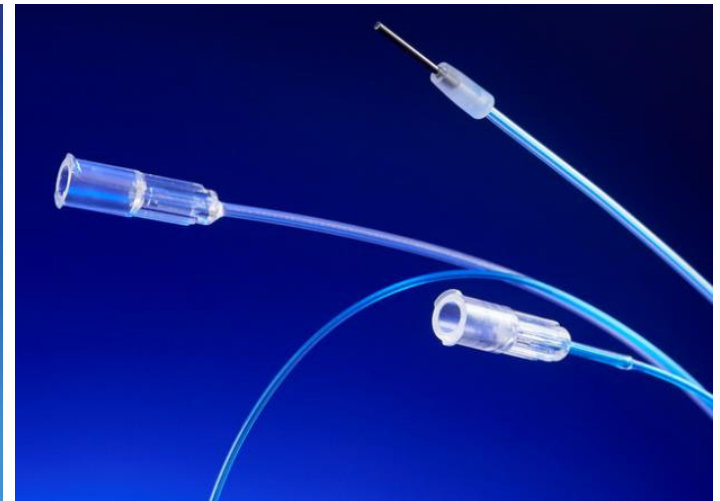
Cystometry

Catheter with in- and outlet, marking and holes



Cystometry

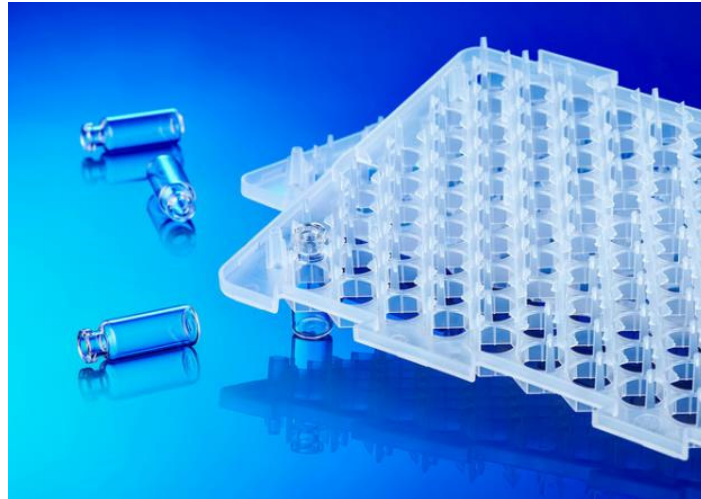
3 Lumen for Urodynamic measurement



Dental endoscope

Twin tubing for endoscopy with sapphire lens for visualization and a water line for rinsing

Injection Molding



Injection Molding

with thermoplastic elastomers, PEEK, PSU, and silicone
for packaging



Thank you very much
for your kind attention!

