

Symatix®

An alternative to Amniotic Membrane



SYMATIX®
MEMBRANE

A global tissue shortage driven by different factors

Developing nations

- Lack organised **tissue procurement** system
- Tissue banking **infrastructure non-existent** or too small to cope with massive demand.
- Human tissue **regulation in infancy**.



Developed nations

- Donor tissue **demand outstretches supply** driven by aging population & unhealthy lifestyle
- Relentless **cost-saving policies** on healthcare exert pressure on tissue availability
- Quality variation due to **donor variability**
- Changes in **regulatory environment**

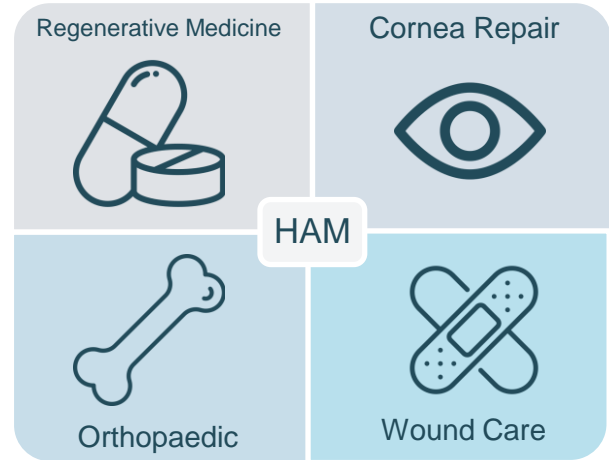


SYMATIX[®]
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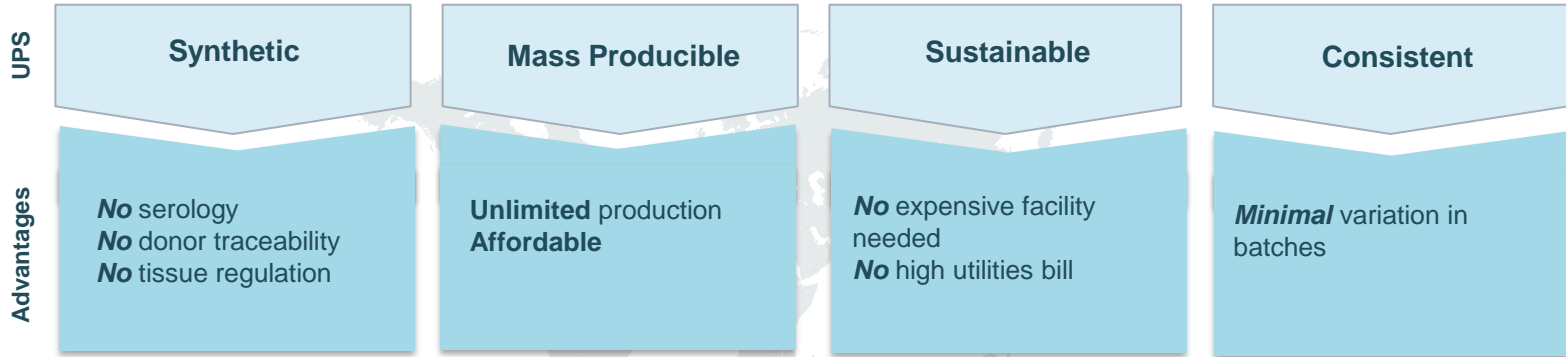
Amniotic Membranes (AM): clinical use & shortfalls

AM successfully used in clinic yet remains subject to:

- Variation due to donor variability
- Costly serology and sub-zero storage facilities
- Fragmented human tissue regulation where the need is highest = developing countries
- Donor availability for supply



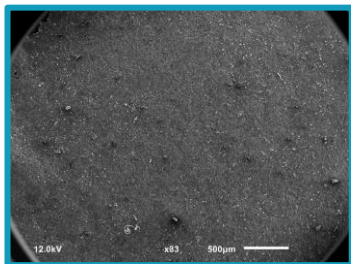
Symatix®: addressing the AM shortcomings



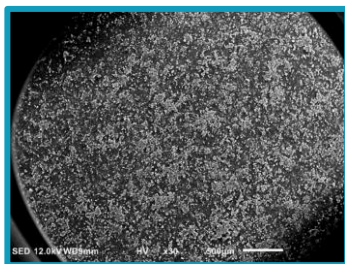
Product	Cost	Availability	Consistency
Amniotic membrane	↑↑	↓↓	↓↓
Substitute requirements	↓↓	↑↑	↑↑

Symatix®: Material and Intangible value

Symatix®: A Biosynthetic Degradable Membrane containing Hyaluronan with synthetic degradable polymer fibres



Symatix



AM

Tuneable?	Yes	No
Drug Delivery?	Yes	No
Sterile?	Yes	No*

Intangible value

Public IP

- Patent application (PCT stage)
- Registered trade mark

Trade secret

- Production process

Relationship

- KOL advisors



Prof. Dua



Dr. Sangwan

Know how

- Production validation and verification
- Scale up manufacturing

Business Intelligence

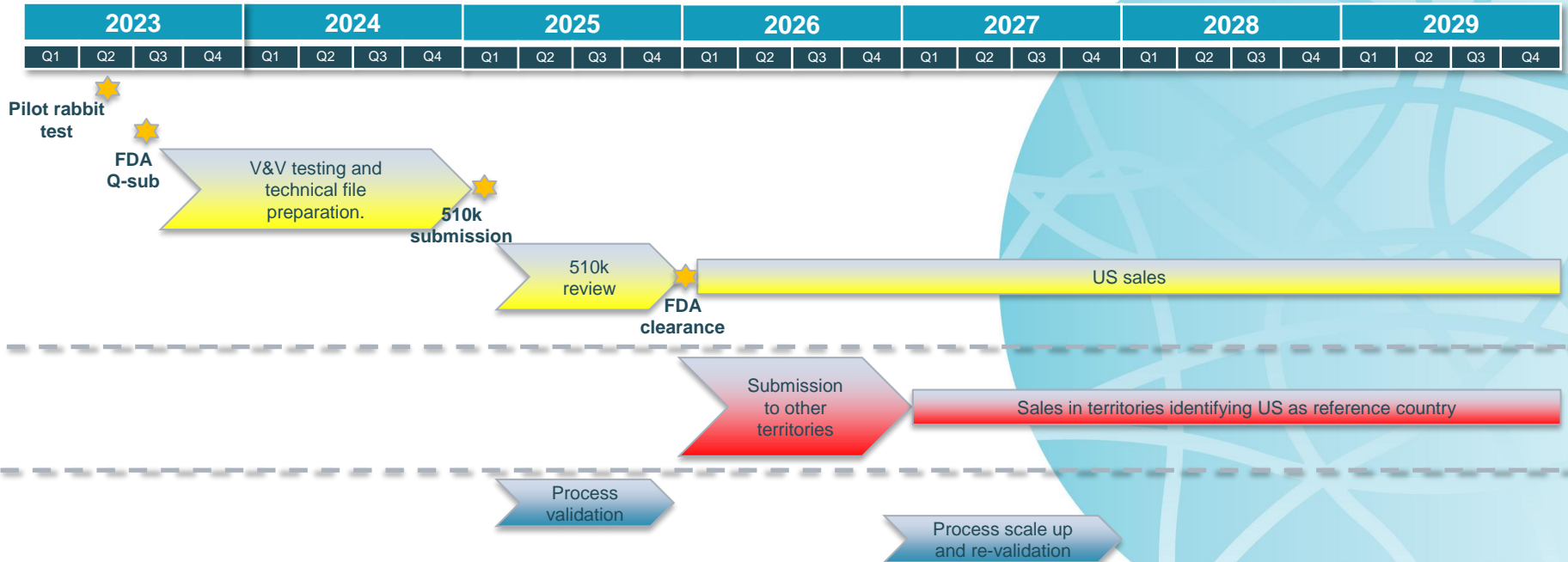
- Market Data
- IP landscape

Quality

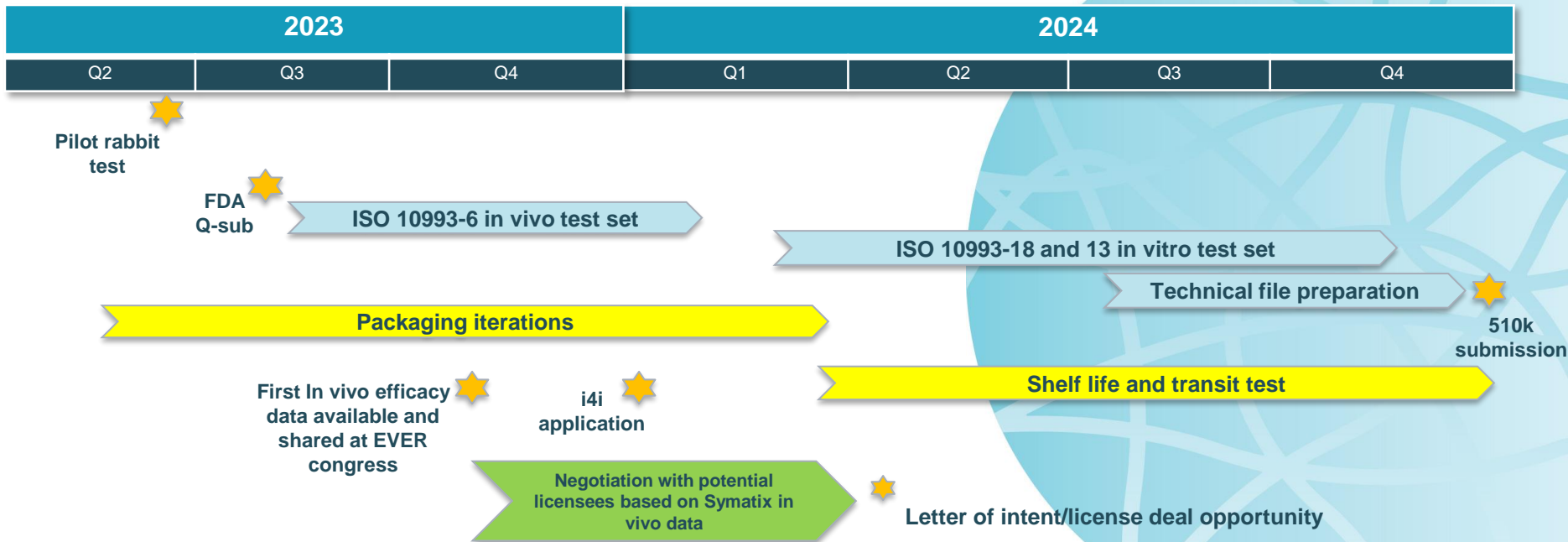
- ISO 13485 certified
- DHR available

*fresh frozen AM

Symatix® membrane introduction into the market



Symatix® membrane plan 2023-2024



Symatix®: the company and team



Electrospinning Company

- Privately held SME
- Technology platforms based on electrospinning technology
 - Contract design, development, manufacturing services
- ISO 13485 certification since 2015
- Medical Devices and Regenerative Medicine
- Harwell Innovation Campus, Oxfordshire

Our Team

Technical



Rob McKean, PhD



Mehri Behbehani, PhD



Melissa Townsend

Commercial



Marco Thio, PhD



Gianpaolo Bruti, PhD

Advisory



Prof. Haminder Dua



Virender Sangwan, PhD

The Electrospinning Company Ltd

Unit 5 Zephyr Building, Eighth Street, Harwell Campus,
Didcot, Oxfordshire, OX11 0RL, United Kingdom

Call: +44 (0)845 388 8856 Email: info@electrospinning.co.uk
www.electrospinning.co.uk



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TECHNOLOGY