

MELITEK

Medical polymers solution

meliflex

Kick-off seminar: LIFE⁺ project

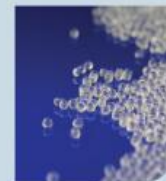
PVCFreeBloodBag

Public healthcare and plastic makers demonstrate how to remove barriers to PVC-free blood bags in the spirit of REACH



 **PVCFreeBloodBag.eu**

Copenhagen 7.2.2012



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Compounds & Polymer⁺

dedicated for medical devices and flexible pharmaceutical packaging

Jesper Laursen
Business Director



 PVCfreeBloodBag.eu

Copenhagen 7.2.2012



Company presentation

- Private company established 1979
- Advanced technologies to pharmaceutical industry in Scandinavia (since 1979)
- Polymers (PE, PP) and Compounds for Medical in Europe (since 1987/89)
- Technology transfer and production start in DK of medical compounds (1998/99)
- meliflex: new standard of compounding to medical industry
- New high efficiency production site (2003+2008)
- ISO 9001:2008 certified
- Global sales of meliflex to flexible pharmaceutical packaging and medical devices
- Distribution from 4 warehouses in Europe (DK, FIN, DE)
- Dedication to medical market through innovation, quality and service!

MELITEK | devotion to medical

meliflex

polyolefin based compounds



meliflex are....:

- **Specially designed for medical applications**
- **Polyolefin (PE, PP) based compounds**
- **Modified for enhanced properties (e.g. improved flexibility, impact resistance, sealing, sterilisation, clarity, kink resistance)**
- **Plasticizer / oil free**
- **Free from SVHC, Latex, BPA, animal based additives**
- **MELITEK medical service concept**

meliflex | applications



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Non-PVC experience

GAME CHANGERS!



 PVCfreeBloodBag.eu

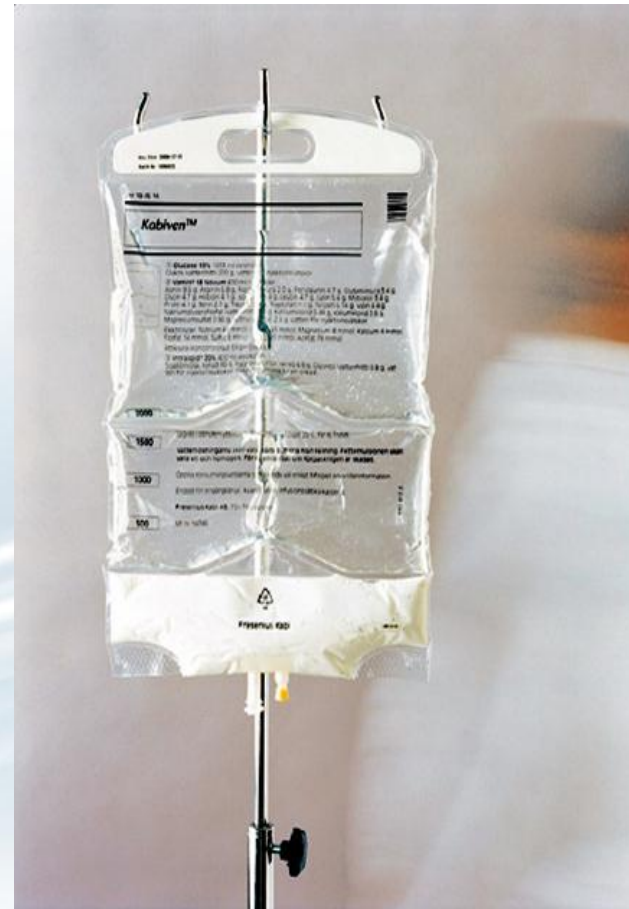
Non-PVC materials for IV-bags



Non-PVC materials for PD-bags



Non-PVC materials for nutrition bags



Non-PVC polyolefin vs PVC/DEHP

- No plasticizer / phthalate migration
- Improved chemical resistance = low drug absorption + resistant to fatty solutions (e.g. lipids)
- Film down gauging ($\approx 50\%$) = Waste reduction
- Pure polyolefin = pure carbon hydrogen = i.e. halogen and chloride free = Pure incineration = no dioxin
- Low density = reduced material consumption
- Innovative differentiation in global market

meliflex| flexible pharmaceutical packaging

Materials designed and customized for...:

- **flexible multilayer films (single / multi chamber bags)**
- **tubing for bag ports**
- **moulded bag ports**
- **twist off ports**
- **reseal stoppers**
- **enhanced PE & PP for BM, IBM, ISBM and BFS containers**

PVCFreeBloodBags

- **NEXT GOAL – IT'S TIME....**
- **Increased market interest for PVC free blood bags**
- **Historical results shows good blood compatibility in various applications (transfusion sets, HD tubing)**
- **Experience from global market participation**
- **Material requirements for RBC storage bags are being compiled in preparation of material selection for first production trails**
- **Future will show....**

contact & information

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