

# SMART AND SIMPLE MEDICAL e-DEVICES FOR COMBINATION THERAPIES IN IMMUNO-ONCOLOGY



# How to administer combination therapies?

Sequential administration is today's choice in Immuno-Oncology
But its time consuming for the patient and medical staff and complicated
– which may lead to dosing errors
Example of triplets



1st - 4th dose

Drug A: 60m, 1mg/Kg

Drug B: 90m, 3mg/Kg

Drug C: 60m, 20mg/ 0,5 ml

3,5h total for the patient

5th – 8th dose

Drug A: 60m, 1mg/Kg

Drug B: 90m, 3mg/Kg

2,5h total for the patient

9<sup>th</sup> ... dose

Drug A: 60m, 1mg/Kg

1h total for the patient

## Fixed ratio combinations are tempting but remain challenging:

#### One ratio only



**Complicated:** same ratio may not fit all patients and/or cancer types

#### **Several ratios**



Several ratios may lead to **confusion** and **dosing errors** 



Complicated logistics and storage



Multiple clinical studies

Multi packaging development programs



Long discussions with Regulatory authorities



Need long term stability studies



Hard to justify premium price

# Intuity Mix is our solution for a concurrent administration



Reusable part:



- Disposable cassette adapted to all standard primary containers – 1 cassette = 1 treatment (Adapted to multi vials + IV injection)
- Connected & smart e-device (Data tracking, Data sharing via GSM, drug recognition)

## How it would work?

MD

Decides combination treatment + dosing regimen

**Medical staff** 

Connects drug and solvent to Intuity®
Mix + programs the dosage using the
friendly interface

**Patient** 

The combined products are mixed and prepared automatically for IV injection

#### Personalized treatment

- Full dosage control
- Traceability

### Value proposition



MD's



**Patient** 

- Personalized treatment
- Time saving
- Reduced dosing errors

- Simple to use and reduced errors
- Time saving
- Fully automatic
- Safe : No contact with potentially toxic products
- Less product loss



Medical staff



Pharma companies

- Faster time-to-market
- Devices platform
- Development tool
- Competitive advantage
- Simpler logistics





2009

incorporation



100%

focused on medical devices design, development and manufacturing



**France** 

Headquarter



~30

**Employees** 

50% dedicated to R&D



Recognized partners







Intuity® technology platform

13 patent families



Strong internal skills

Microfluidics, Software, Electronics, Mechanics, Automation, Industrialization



Strong Quality Management ISO 13485 IEC 62304

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