

COMPARATIVE STUDY OF THE DIFFERENT CLOSED SYSTEM TRANSFER DEVICES AVAILABLE IN FRANCE FOR THE PREPARATION OF INJECTABLE IMMUNOTHERAPIES. ALBAUT Victorine¹, BROBST Morgane¹, COLLIAT François², CASTEL Dominique¹ ¹Pôle Pharmacie, CH Alès-Cévennes, Alès France, ²Pôle Pharmacie, CH du Bassin De Thau, Sète France

INTRODUCTION

The Centralized Cytotoxic Reconstitution Unit (CCRU) currently uses Closed System Transfer Devices (CSTDs) in downgrade mode for the preparation of immunotherapies. Losses of produtcs have been observed to a greater or lesser extent depending on the molecules. Monoclonal antibodies being expensive molecules, product loss has a real economic impact.



Comparison of the CSTDs available in France to allow a given institution to choose the most suitable device for their needs.



Main characteristics of the different <u>CSTDs</u>

Tevadaptor	[®] (Carelide)
bottles	 possibility to disc syringe
Equashield®	(Equashield)
time saving and safety: connected syringe + secure connection with indicator	 many references ergonomics: poo
ChemoClave®	(ICU Médical)
simplicity and rapidity of use	 difficulty to coller amount of the view easily disconnect
PhaSeal Optima [®] (BD)	
Optimization of the previous system (PhaSeal®)	 ambient air samp resistance to samp many steps
PhaSea	I [®] (BD)
easy sampling	 many references many steps connection not s not very practica
QimoHarpoon [®] (Vygon)	
	 many steps practicality: man complicated grip
	one reference for all sizes of bottles easy to use and ergonomic Equashield time saving and safety: connected syringe + secure connection with indicator ChemoClave simplicity and rapidity of use Simplicity and rapidity of use PhaSeal Op Optimization of the previous system (PhaSeal®) PhaSea easy sampling climoHarpo sterile air balloon few references



MATERIALS AND METHODS

Optima [®]	0,2115
arpoon®	0,3341
oClave®	0,4318
aptor®	0,3287
hield®	0,2818

Handling time