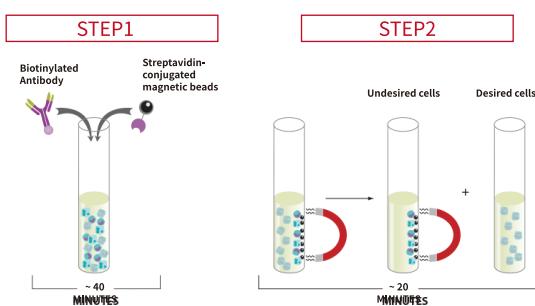


# T Cell Isolation & Differentiation

## ◆ Isolation

### Magcellect™ Negative Selection kits

- High capacity
- Small beads / No cell damage
- High purity
- Untouched cells



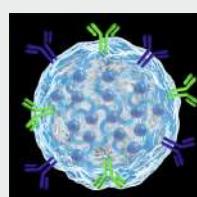
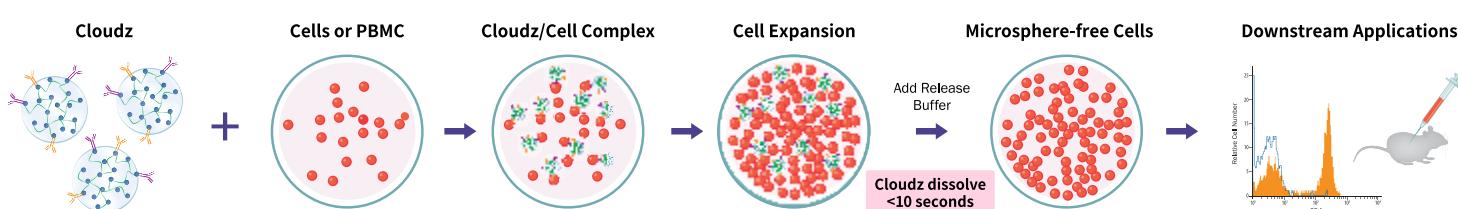
Products	Human	Mouse
MagCellect Magnet	MAG997	
MagCellect CD3+ T Cell Isolation Kit	MAGH101	MAGM201
MagCellect CD4+ T Cell Isolation Kit	MAGH102	MAGM202
MagCellect CD4+ CD25+ Regulatory T Cell Isolation Kit	MAGH104	MAGM208
MagCellect Naive CD4+ T Cell Isolation Kit	MAGH115	MAGM205
MagCellect Memory CD4+ T Cell Isolation Kit	MAGH116	MAGM206
MagCellect CD8+ T Cell Isolation Kit	MAGH112	MAGM203
MagCellect Mouse Naive CD8+ T Cell Isolation Kit		MAGM207

## ◆ Differentiation

### Cloudz Cell Activation

- Magnetic bead-free ( no beads to remove )  
- 공정의 단순화
- Simple
- Ready to Use with cytokines, growth factors and media from R&D Systems

Related Products	Cat #
ExCellerate Human T Cell Expansion Media, Xeno-Free	CCM030
Cloudz Human T Cell Activation Kit	CLD001
GMP Cloudz Human T Cell Activation Kit	CLD001-GMP
Cloudz Human Treg Expansion Kit	CLD006
GMP Cloudz Human Treg Cell Expansion Kit	CLD006-GMP



Cloudz™ Human CD3/CD28 Cell Expansion Kit\*\*

Cloudz™ Human Regulatory T Cell ( $T_{reg}$ ) Expansion Kit\*\*

\*\*GMP 제품 이용 가능



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02.881.5432



웅·테·나



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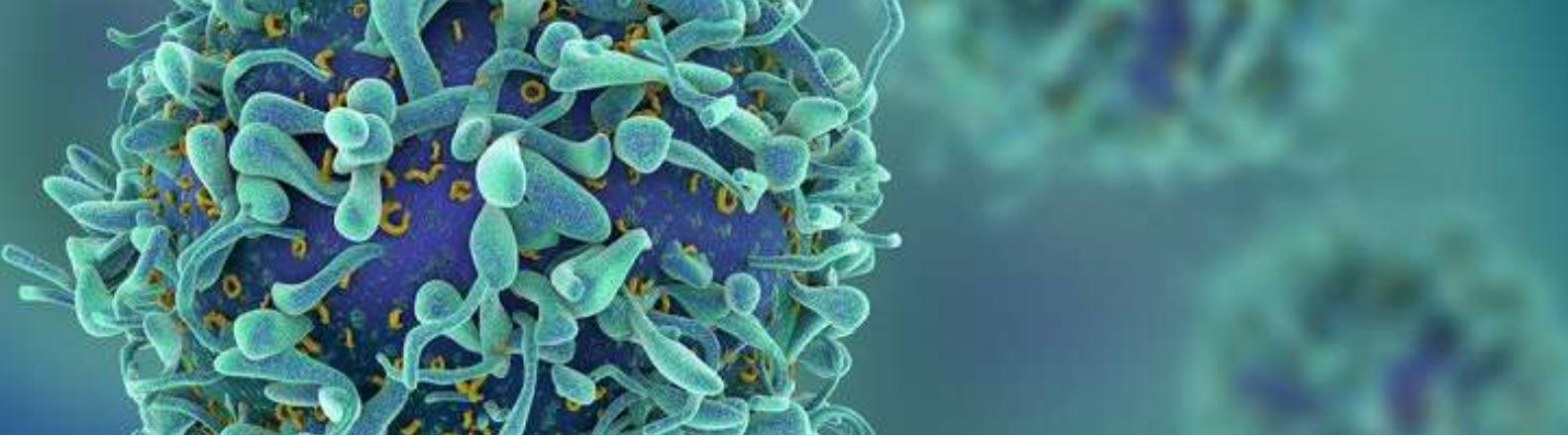


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R&D SYSTEMS®  
a biotechne® brand



## ◆ Xeno-Free Media

### ExCellerate Human T Cell Expansion Media, Xeno-Free

- Robust T cell expansion Under Serum-Free and Xeno-Free Conditions
- Compatible with a variety of T cell activation methods
- Supports T cell expansion from PBMCs or purified CD3+ T cells
- Optimized for use with the Cloudz™ T cell Activation Kit



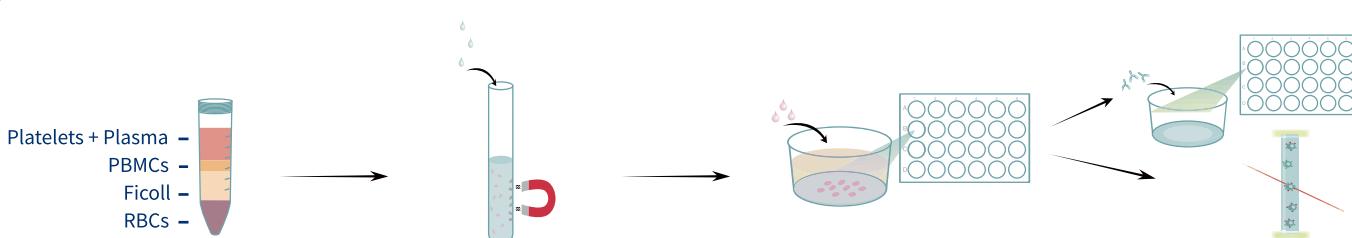
**Catalog#**  
CCM030  
**Size**  
500mL

## ◆ Differentiation

### CellXVivo Differentiation Kits

- High Quality Bioactive Cytokine 제공
- High Differentiation Yield
- Validated Protocol
- Easy & Simple
- 추가장비 필요없음.

Products	Human	Mouse
CellXVivo Th1 Cell Differentiation Kit	CDK001	CDK018
CellXVivo Th2 Cell Differentiation Kit	CDK002	CDK019
CellXVivo Th17 Cell Differentiation Kit		CDK017
CellXVivo Treg Cell Differentiation Kit	CDK006	CDK007
Cell Activation Reagents	Cat#	
Cell Activation Cocktail 500X ;500X Cocktail of Monensin, PMA, and Ionomycin		5476



### 1. PBMC

사람의 혈액에서 PBMC만 분리

### 2. T cell isolation

Negative isolation 방법으로 각각  
CD4+, CD14+ 을 분리  
(R&D MagCellect)

### 3. T cell Differentiation & Expansion

각각의 세포의 분화 및 증식에 알맞은  
배지와 cytokine을 이용하여  
세포를 분화 및 증식  
(R&D CellXVivo)

### 4. Cytokine Assay

분화 및 증식 후에 각각의 surface  
marker를 이용하여 분화 및 증식의  
정도를 확인  
(R&D Quantikine/Duoset ELISA)  
(R&D Flow Cytometry)



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