

Cell and biomarker preservation

BD CPT™ blood collection tubes

BD CPT™ (Cell Preparation Tube)

The BD CPT™ contains FICOLL™* and is a one-step system to provide a simple method for isolating Peripheral Blood Mononuclear Cells (PBMC) - lymphocytes and monocytes from whole blood.

The tube provides a sample-to-yield solution, eliminating stages of blood transfer, preparation of FICOLL™, and manual gradient separation. Waiting time is significantly reduced as centrifugation can be carried out with the brakes enabled.

The tube can yield up to 15 million PBMCs with centrifugation times of 15 or 20 minutes. The BD CPT™ tube enables:

- Preparation and consistency
 - Standardised process when compared to manual FICOLL™ gradient separations
 - Reproducibility between sample preparations and technical operators
 - Less blood exposure for laboratory staff
- Faster separations
 - Blood draw to centrifuge - FICOLL™ is contained in the tube enabling fast gradient separation
 - Reduce waiting times during centrifugation with brakes enabled
- Post separation
 - The gel barrier provides clear cell separation and prevents re-mixing
 - Transport of separated sample can be used in the primary CPT tube
 - Cells are stable in the primary tube for up to 24 hours, depending on down stream application



The BD CPT™ tube is CE marked for *in vitro* diagnostic use.

Tube mixing

Cell Preparation Tubes should be gently inverted 180° and back 8-10 times.




Further information

Clinical and technical information is available on request.

Centrifugation conditions

Sodium Heparin 1500-1800 g for 15 minutes at 18-25°C
Sodium Citrate 1500-1800 g for 20 minutes at 18-25°C

BD Vacutainer® CPT™ tubes

Cat. no.	Draw volume (mL)	Size (mm)	Additive	Separator	Material	Label	Cap closure	Cap colour
362781	4.0	13 x 100	Sodium Citrate 0.45mL 0.1M / 1.0mL FICOLL™	Gel	Glass	Transparent	Conventional	
362782	8.0	16 x 125**	Sodium Citrate 1.0mL 0.1M / 2.0mL FICOLL™	Gel	Glass	Transparent	Conventional	
362780	8.0	16 x 125**	Sodium Heparin 132 USP Units in 1.0mL PBS / 2.0mL FICOLL™	Gel	Glass	Transparent	Conventional	

All tubes are supplied in boxes of 60

Available to buy online at www.bdbiosciences.com - search CPT

* FICOLL is a registered trademark of GE Healthcare Companies.

** Please note: These tubes are longer than conventional blood collection tubes. Please ensure that the tubes are free to swing when placing them into the centrifuge.