

## Tabletop PRP-PRF-CGF Centrifuge TD4ZA

### Introduction

TD4ZA is a multi-functional centrifuge, can used for routine sample analysis in medical,hospital, pathology and institutional laboratories. And also for blood center, Dental hospital, Plastic surgery, Orthopedics department, and Maxillofacial surgery.

### Features

1. Adopt the steel structure, which is safer, simple-compact, light-weight and low-noise.
2. Digital display and LCD display for choose, adopt control system realizing microprocessor control, it control rotate speed, relative centrifuge force.
3. Maintenance-free frequency conversion motor,can prevent over-speed operation.
4. It's widely used in qualitative analysis of blood serum, plasma and medical products in hospital, biochemistry and blood center, Dental hospital, Plastic surgery, Orthopedics department, and Maxillofacial surgery.
5. With special program for PRP, PRF, CGF and CGF



### Parameters

Model	TD4ZA			
Max Speed	4000r/min			
NO.1 Angle Rotor	12*10/15ml	4000r/min	2680xg	
NO.2 Swing Rotor	8*10/15ml	4000r/min	2680xg	
NO.3 Swing Rotor	4*20ml	4000r/min	2680xg	
Program	No.1	No.2	No.3	No.4
	PRP	PRF	CGF	adjustable
Motor	Microprocessor & Brushless DC Motor			
Timer Range	0~99min			
Noise	≤50dB(A)			
Power Supply	AC220V&110V 50Hz 2A			
Dimension	450*340*270mm(L*W*H)			
Weight	21kg			

## What is CGF?

CGF (Concentrated Growth Factor) is extracted from autologous blood by our specialized variable speed centrifuge DL4-M. The concentration of growth factor is four times higher than that of normal blood active substances and it contains CD34 positive cells and white blood cells with high activity. CD34 positive cells are important cells for promoting the reconstruction of micro-circulatory system and collagen regeneration. In the mesoderm, filling and wound repair, micro-capillary and micro-lymphatic system can be quickly reconstructed in the treatment.

## CGF application:

1. Move skin wrinkles, Improve skin dryness, relaxation, dullness, spots, pore size and other phenomena.
2. Skin anti-aging
3. Promote tissue regeneration, Repair of wounds and scars
4. Reconstruction of skin barrier and repair of tissue
5. Lipid transplantation partners to improve the survival rate of fat transplantation
6. Scalp management
7. Treatment of mesodermal and osteoarthritis

## CGF Therapy advantages:

1. CGF from autologous blood, no rejection reaction
2. No Chemical additives, its safer
3. With Various concentrated growth factor, good effect
4. The CD34 positive white cells promoting micro-circulatory system and collagen regeneration
5. Multiple clinical uses - liquid/gelatinous without embolism risk

## Compare of 3 generation of blood active substance PRP PRF CGF

Name	Separate results	Condition	construction	Molecular Structure
PRP (Platelet Rich Plasma)	PPP+PRP+RBC	Anticoagulant	Liquid	Compact Tetramolecular structure
PRF (Platelet Rich Fibrin)	PPP+PRF+RBC	No	Gel Membrane	3-dimension loose structure
CGF (Concentrated Growth Factor)	PPP+CFG+PRP+C D34++RBC	No	Liquid Gel Membrane Half-Gel	3-dimension looser structure

## CGF Preparation Process and Clinic Application

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Autologous Blood



Separate by DL-4M Variable Speed Centrifuge

Got

CGF Self-Repair  
Gel+ Membranous



### Application

- 1.Wound Treatment
- 2.Skin and Soft Tissue Repair

Got

Liquid LPCGF



### Application

- 1.Mesoderm Therapy
- 2.OA(Osteoarthritis ) Therapy
- 3.Acupoint stimulate

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Autologous Blood



Separate by DL-4M Variable Speed Centrifuge

43°C Heating

75°C Heating



Made by our TDD-4MC  
Bio-filler Gel Maker Machine

Got ICF

( α PRP+CD34+)



Got APAG

(PPP+CD34+)



Application: Bio-filling and Wrink remove