

Merisis™ L-PRP Kit

One step gel separation technology

- Merisis™ L-PRP kit is developed to decrease the complexity of steps for PRP separation thereby minimizing the variability from sample processing. The gel forms a physical barrier between PRP and the RBC after centrifugation
- **Features:**
 - Exclusive for the hair
 - Highly concentrated PRP 2x to 3x extraction by centrifugation
 - Easy separation due to the single tube use
 - Total centrifugation time 5 mins (@3400rpm)
 - Supplied with specific PRP activators
 - Elimination of contamination, by adapting the enclosed system
 - Gel separator minimizes RBC contamination
 - CE certified



Fig 1: Merisis L-PRP

Merisis™ L-PRP Kit

One step gel separation technology



Fig 2: Merisis L-PRP kit packaging



Fig 3: Separation after centrifugation

Merisis™ P-PRP Kit

One step gel separation technology

•Merisis™ P-PRP kit is developed to prepare 4-5ml of pure platelet rich plasma from 9ml whole blood with a platelet recovery >80%

•**Features:**

- Exclusive for the skin
- Highly concentrated PRP 2x to 3x extraction by centrifugation
- Easy separation due to the single tube use
- Total centrifugation time 5mins (@3400rpm)
- Supplied with specific PRP activators
- Elimination of contamination, by adapting the enclosed system
- Gel separator minimizes RBC contamination
- CE certified**



Fig 4: Merisis P-PRP

Efficacy of Activated 3X Platelet Rich Plasma in the treatment of Androgenic Alopecia

**Rani James, Rosy Chetry, Vignesh
Subramanian, Abhishek Ashtekar,
Nandagiri Srikruthi, Sankar
Ramachandran, Prasad S Koka and
Kaushik Deb***
Merisis Therapeutics, DiponEd BioIntelligence,
Bangalore, Karnataka, India

Abstract

Background: Platelet-rich plasma (PRP) has shown remarkable beneficial effects without any major adverse reactions in the treatment of androgenic alopecia. The growth factors in activated autologous PRP induces the proliferation of dermal papilla cells.

Objectives: To investigate the clinical efficacy of Platelet Rich Plasma prepared using Merisis One Step Gel Separation Technology in treatment of androgenic alopecia.

Methods: Five patients were given autologous PRP injections on the affected area of alopecia over a period of three months at interval of two - three weeks and results were assessed.

Results: Three months after the treatment, the patients presented clinical improvement in the hair counts, hair thickness, hair root strength and overall alopecia.

Conclusion: PRP appears to be a cheap, effective and promising therapy for androgenic alopecia with no major adverse effects.

FINESTRIDE RESPONSE TEST

- Finasteride is a synthetic antiandrogen (type II 5alpha reductase inhibitor) an intracellular enzyme that converts the androgen testosterone into DHT.
- It is used for treatment of male pattern hair loss (androgenetic alopecia) and benign prostatic hyperplasia (BPH).
- The Genetic Test for Finasteride Response test will predict if a patient will respond to the Finasteride treatment.
- DiponEd provides genetic test for Finasteride Response, which helps to determine the degree of treatment response to Finasteride

FINESTRIDE RESPONSE TEST

- The length of the trinucleotide CAG repeat in the Androgen Receptor gene is associated with a man's response to Finasteride for the treatment of androgenetic alopecia
- Two independent peer reviewed and published studies of over 500 men confirmed the association between a "short" CAG allele length (i.e. less than 22) and a man's response to Finasteride for the treatment of androgenetic alopecia.



DiponEd
BioIntelligence
Merisis Therapeutics

SERVICING NO-OPTION MEDICAL CONDITIONS

Genetic Test Report

ReportDate: 5/7/2009

Patient:	Mr. Prayachan Sharma	Sample Kit ID:	HDI-000-000-00000
Patient ID:	DB-0614-85	Sample Received:	
DOB / Sex:	9/9/1965 / M	Laboratory Name:	
Test Type:	Genetic Test for Finasteride Response	Laboratory Director:	

Requesting Physician: Dr. A Paul

Authorized Receiver:

Order Date: 7/7/2014

POSITIVE FOR "SHORT" ALLELE (CAG < 22)

DNA from the patient identified in this report was tested at a specific genomic location associated with a man's response to Finasteride for the treatment of androgenetic alopecia (AGA), namely exon 1 of the Androgen Receptor gene.

Patient Lab Results

Chromosome	Gene	Position	CAG Allele Length
X	AR	exon1	20

MINOXIDIL RESPONSE TEST

- Topical Minoxidil is the most common drug used for the treatment of AGA in men
- The efficacy in the overall population remains relatively low i.e., 30-40% re-grow hair.
- Minoxidil is converted to Minoxidil sulfate, by the sulfotransferase enzyme SULT1A1.
- SULT1A1 enzyme activity in plucked hair follicles correlates with minoxidil response in the treatment of AGA - Predictive biomarker
- DiponEd provides a genetic test to identify non-responders

T REG CELLS INJECTIONS FOR ALOPECIA AREATA

- AA is an autoimmune disease related to the infiltration of CD4⁺ and CD8⁺ T lymphocytes around hair follicles.
- Enhanced T-cell-mediated immunity and breakdown of immune tolerance due to deficiency in T-regulatory (Treg) cells may facilitate its occurrence.
- Tregs cells play an important role in preventing effector T-cell (Teff) targeting of self-antigens that can lead to tissue destruction in autoimmune settings
- Boosting Treg function has helped in treating AA

Stemed

Double your Stem cells

- Herbal/botanical capsules
- Capsule contains Solenum Trilo Batum, Mimosa Pudica, Tribulus Tarestris & Wheat grass
- Helps in the production and release of stem cells in the body
- Improves microcirculation, muscle function
- Antiageing and wellness effects



Dtox 500™

- A Wellness and blood detoxification Supplement
- Herbal/botanical capsules
- Boosts the Immune system and provides antioxidant effect in the body
- Inhibits LDL and triglyceride by inhibiting re-absorption of bile salts In intestine
- Provides vitamin and removes plasticizers and heavy metal toxicity

