

AndroWash™ Validation Statement

We, at LifeCell, have evaluated the **AndroWash & SmartTube™** (An Automated Sperm Washing Centrifuge) - which is designed by Subhag HeathTech Pvt Ltd. The Androwash is designed for Semen preparation for Assisted Reproductive Technology (ART) procedures such as Artificial Insemination, IUI, IVF, ICSI, etc, and Sperm banking.

Here are our key findings:

- **Efficacy:**

- The recovery rate of **Total Motile Sperm Count** using AndroWash was found to be up to **21.4%** higher than that achieved through the “state-of-the-art method - using conventional centrifuge”.

- **Ease of Use:**

- The AndroWash is very much user-friendly. The Smart tube enables the easy layering of double density media without the pipette and discarding the supernatant is very easy and precise.
- AndroWash has automated handling features that eliminate the possible human error in Semen preparation.

Regards,

Dr. Suryaprakashrao

General Manager -Cytogenetics & Sperm Diagnostics

Lifecell (P) Ltd(HO),

No 26, Vandalur Kelambakkam Main Road, Keelakottaiyur, Chennai -600048



Enclosed raw data table for the 8 samples which are processed to compare the results with our regular purification for storage purpose along with AndroWash & SmartTube™

Table:1

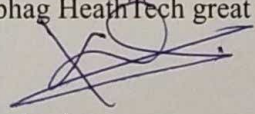
S.No	Received Volume (ml)	REMI-CENTRIFUGE VALUES					Comparison Remi centrifuge & Androwash	ANDROWASH VALUES				
		Concentration (Million/mL)	Count (Million)	Progressive motility (%)	Total motility (%)	TMC		Concentration (Million/mL)	Count (Million)	Progressive motility (%)	Total motility (%)	TMC
1	3	83.8	251.4	19	60.5	152		97.2	291.6	24.3	67.2	196
2	3	39	117	20.1	58.5	68		41.5	124.5	41.6	70.1	87
3	2	35.6	71.2	52	82	58		43	86	50.7	90.5	78
4	2	15.6	31.2	20.4	56.4	18		33.2	66.4	38.2	79.9	53
5	0.3	2.85	0.8	6.3	25.1	0		7.66	2.29	7	27.9	1
6	1.5	116	174	37.9	54.7	95		124.5	186.7	45.1	66.8	125
7	1	59.1	59.1	34.9	57.2	34		65.4	65.4	37.9	64.2	42
8	2.1	45.4	95.3	13.7	46.4	44		51.6	107.1	24.7	55.6	60

Table:2

S.no	PRE COUNT	REMI - TMC	ANDRO - TMC	Difference
1	52	152	196	44
2	234	68	87	19
3	107	58	78	19
4	115	18	53	35
5	NA	0	1	0
6	NA	95	125	30
7	NA	34	42	8
8	NA	44	60	15
				21.4

We found **AndroWash & SmartTube™** very user friendly and innovative.
We wish Subhag HealthTech great success!

Regards,


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