























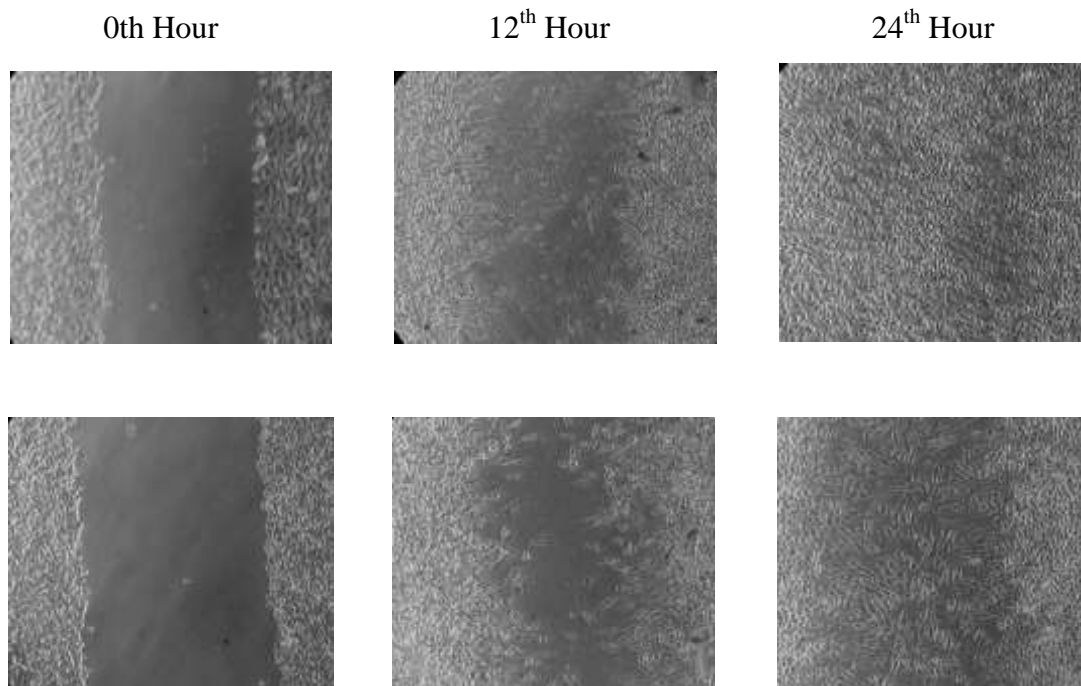










**Fig. 5: Self-wound healing scratch assay: *In vitro* Wound Scratch Assay**

A: Control (Distilled water) [Top three pictures]

B: Herbal extract sample (100µg) [Bottom three pictures]

**Table-1: Antibacterial activity of developed tissue engineered materials**

S. No	Test organism	Zone of inhibition (mm)	
		Uncoated	Coated*
1	<i>Escherichia coli</i>	0	31.3 ± 0.27
2	<i>Klebsiella pneumoniae</i>	0	30.1 ± 1.25
3	<i>Enterobacter sp</i>	0	25.8 ± 0.57
4	<i>Staphylococcus aureus</i>	0	28.3 ± 0.57
5	<i>Staphylococcus epidermidis</i>	0	29.3 ± 1.25

\*Tissue engineered wound dressing materials coated with two herbal composites