

SkinTraction®

An intradermal alternative to mulesing



Sodium lauryl sulphate (SLS) is used in every day life

- ✓ Toothpaste
- ✓ Shampoos (up to 30%)
- ✓ Creams, lotions and medical preparations
- ✓ Wetting agent in insecticides/herbicides



SkinTraction ® Mode of Action

SLS denatures protein

- Damaged skin forms a hard eschar (scab) after about 6 days
- After about 14 days body starts to dislodge the eschar
- After about 7 weeks the eschar is fully dislodged
- Breech modification continues until after first lambing



Modified Pulse Needlefree™ Applicator

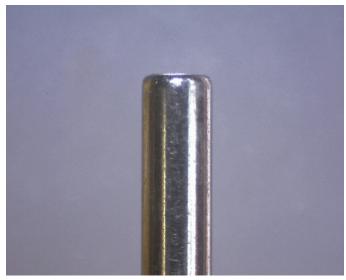






SkinTraction ® Tube detail







SkinTraction® Field trials

Aim of field trials:

- Maximise breech modification
 - ✓ Breech bare area
 - ✓ Tail bare area
 - ✓ Reduce wrinkle score
- Minimise stress to the animal

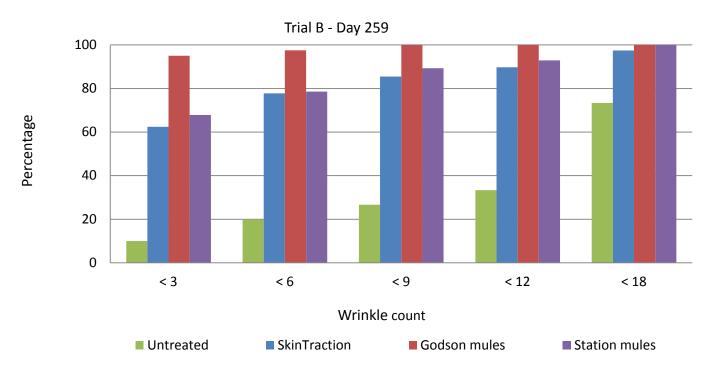


Field Trial results Phase 4 Trial B - Breech width





Field Trial results Phase 4 Trial B - Wrinkle count





Field Trial results Phase 4 Treatment Protocol - Applicator settings (not adjustable)

- ✓ Pressure set at 50psi
- ✓ Volume per application 1.25ml (approximately 0.08ml per tube)
- ✓ Number of tubes per head 16



Treatment Protocol

Best practice protocol for mulesing and SkinTraction

- ✓ Inoculate against tetanus
- ✓ Do not treat sheep during black fly season
- ✓ Sheep must have blowfly protection during blowfly season



Treatment Protocol

Specific for SkinTraction

- ✓ Antiseptic applied to breech before SkinTracting
- ✓ Condition score > 2.5
- ✓ Breech wool length < 8mm



Treatment Protocol

Specific for SkinTraction - skin integrity

- ☐ Mature skin sheep weight > 30kg
- Skin not dehydrated
- ☐ No skin cuts
- Skin not macerated or inflamed due to moisture from urine and faeces.



SkinTraction Transition from R&D to commercialisation

- ☐ Increase throughput
- Develop procedures to SkinTract high dag and high wrinkle score animals



APVMA Registration

- ☐ Cobbett Technologies is negotiating with the APVMA on label details.
- Cobbett Technologies expect that these discussions should lead to a positive outcome and that SkinTraction will be able to satisfy the APVMA's requirements for registration.



Acknowledgments

Cobbett Technologies Pty Ltd appreciates the contribution of the following:

- AWI for funding the field trials
- Wool growers in NSW, Victoria and Tasmania
- Livestock contractors association members
- Pulse NeedleFree Systems
- > The late Gordon Godson for organising the trial sites and his counsel
- Dr John Ashley for statistical analysis and advice
- Dr Ruth Davis as a consultant and for collating the APVMA application.



