

# ZooSpensefull

## Shaping Plan

<b>Species/Individual:</b> Polar Bear	<b>Behaviour:</b> Paw Blood	<b>Date:</b> 13-1-2025, PG
<b>Goal:</b> Taking a blood sample from the paw of a polar bear.		
<b>Criteria:</b> <ul style="list-style-type: none"> <li>- Sits down in front of paw sleeve</li> <li>- Puts the asked paw straight in the sleeve</li> <li>- Paw doesn't move</li> <li>- Stays calm when needle goes in</li> <li>- Keeps his nails wrapped over the bar</li> </ul>		
<b>Signal:</b> Vocal "Paw", point to which paw you want.		
<b>Primary Reinforcement:</b> <ul style="list-style-type: none"> <li>- Sardines</li> <li>- Tuna</li> <li>- Meat</li> <li>- Salmon Oil</li> <li>- Watermelon</li> <li>- Sweet potato</li> </ul>	<b>Secondary Reinforcement:</b> <ul style="list-style-type: none"> <li>- Premack</li> </ul>	

<b>Approximations:</b>	
Step 1:	Bear sits in front of the trainer and is asked a paw to the mesh.
Step 2:	We repeat step 1 but have a bamboo target in our hand and ask for the paw against the mesh. Animal touches the bamboo.
Step 3:	We ask the paw in front of the sleeve with the bamboo stick. When the bear touches the stick we bridge
Step 4:	The bamboo stick is in the sleeve. We ask the paw to the target. Bear touches the bamboo.
Step 5:	The stick is at the end of the sleeve. The paw is asked to go into the sleeve.
Step 6:	We ask the paw in the sleeve with the bamboo stick. Touches for 2 seconds.
Step 7:	We ask the stick behind the little bar. When the bear touches the bar we reinforce.
Step 8:	We point with the bamboo to the bar in the sleeve and ask for the paw. Then we reinforce right away.
Step 9:	We point with our finger to the sleeve. The bear puts his paw in the sleeve. Touches the bar.
Step 10:	Puts his nails over the bar by adding a target.
Step 11:	Extending duration. Start with 3 seconds. Use the target. Bear is putting his nails behind the bar.
Step 12:	5 seconds
Step 13:	8 seconds
Step 14:	12 seconds
Step 15:	17 seconds

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Step 13:	25 seconds.
<b>Desensitisation process which can be trained beside the duration but not at the same time.</b>	
Step 14:	We have the clippers in our hand. Bear sits next to us and smells the clippers.
Step 15:	We turn the clippers on. Repeat step 15.
Step 16:	Ask the bear for it's paw. Touch the paw with a finger for 1 sec.
Step 17:	Touch with your finger for 3 seconds. Paw stays in sleeve according to criteria.
Step 18:	5 seconds.
Step 19:	Touch the paw with the backside of the clippers for 2 seconds.
Step 20:	4 seconds.
Step 21:	6 seconds.
Step 22:	Turn the clippers on touch the paw for 2 seconds.
Step 23:	Turn the clippers around. Repeat step 22.
Step 24:	Shave 0.5cm
Step 25:	Shave 1.5 cm
Step 26:	Shave 2.5 cm
Step 27:	Shave 5 cm.
<b>Desensitisation of the needle can be trained simultaneously with the clippers.</b>	
Step 28:	Use a syringe to touch the paw. Touch paw in the sleeve for 2 seconds.
Step 29:	Press the syringe for 3 seconds. Paw is in the sleeve according to criteria.
Step 30:	5 seconds.
Step 31:	We press 3 seconds take syringe away and press 2 seconds.
Step 32:	Press 4 seconds followed by another 3 seconds.
Step 33:	Press 5 seconds followed by 4 seconds.
Step 34:	Use a capped needle. Press the capped needle for 5 seconds. Paw is in sleeve according to criteria.
Step 35:	Extend duration. 10 seconds.
Step 36:	20 seconds.
Step 37:	30 seconds.
Step 38:	We touch the paw with cotton (with alcohol) for 2 seconds.
Step 39:	Stroke up and down for 2 seconds.
Step 40:	Stroke up and down 3 times.
Step 41:	6 times.
Step 42:	Use a small gauge needle (orange). Swab the paw and break the skin with the needle by going in and out. We want to be quick enough before the animal realizes.
Step 43:	Swab, needle goes in 1 second and we take it out. We bridge 2 seconds after the needle has come out. We don't accidentally want the needle coming out becoming the bridge.
Step 44:	Swab – needle in – 3 seconds – needle out
Step 45:	Swab – needle in – 7 seconds – needle out
Step 46:	Swab – needle in – 13 seconds – needle out
Step 47:	Swab – needle in – 18 seconds – needle out

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Step 48:	Swab – needle in – 5 seconds – needle out 2mm (needle is still in) – Needle deeper in for 3 seconds – needle out
Step 49:	5 seconds – needle out 2mm – 5 seconds in – needle out.
Step 50:	3 seconds – needle out 2mm – 10 seconds in – needle out.
Step 51:	Go to the proper gauge size. Swab – needle in and out.
Step 52:	Extend time with the new size needle just like the smaller gauge needle. Repeat step 44 - 50
Step 53:	Introduce a second person. We ask the paw. Bridge.
Step 54:	Second person swabs.
Step 55:	Second person swabs and uses needle. Needle time is 3 seconds.
Step 56:	Second person does step 49 – 50 with the proper gauge needle.
Step 57:	Take a blood sample.