

**Comparison of Whitlock-Witte and Dexter
Long Term Bone Marrow Culture Techniques**

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	Whitlock-Witte	Dexter
<i>Age of Animal</i>	3-4 weeks	Adult
<i>Temperature of Incubator</i>	37°C	33°C
<i>Type of Media</i>	<u>RF5:</u> <ul style="list-style-type: none"> • 475 ml RPMI-1640 Media • 2.5 ml Pen/Strep • 5 ml L-Glutamine • 25 ml Fetal Calf Serum • 500 µl 2-ME 	<u>FH20:</u> <ul style="list-style-type: none"> • 400 ml Fisher's Media • 5 ml Pen/Strep • 5 ml L-Glutamine • 100 ml Horse Serum • 500 µl Hydrocortisone
<i>Concentration of cells at culture initiation</i>	1x10 ⁶ cells/ml in 7.5ml media (thus 7.5x10 ⁶ cells/flask)	2x10 ⁶ cells/ml in 10 ml media (thus 2x10 ⁷ cells/flask)
<i>Refeeding with fresh cell inoculum</i>	None	3 weeks after culture initiation
<i>Media change</i>	Once each week add 2.5 ml fresh media Once each week remove 7.5 ml spent media and add back 5 ml fresh media	Once each week remove 7.5 ml of spent media and add back 7.5 ml of fresh media