

Exercise #20. The Hydrolysis of Gelatin, p. 52

<b>Day 1</b> Mon 7/20/09	<b>Procedure:</b> <ul style="list-style-type: none"><li>• work in groups of 4</li><li>• use inoculating needle, make stab inoculations</li><li>• tubes:<ul style="list-style-type: none"><li>○ 2 nutrient gelatin tubes for knowns (one for each control bacteria)</li><li>○ 1 nutrient gelatin tubes for each unknown</li></ul></li><li>• INCUBATE: 37°C, 48 hours (or longer)</li></ul>	<b>Organisms:</b> <b>Controls:</b> <ol style="list-style-type: none"><li>1. <i>B. cereus</i></li><li>2. <i>E. coli</i></li></ol> <b>Your unknowns:</b>
<b>Day 2</b> Wed 7/22/09	<b>Results:</b> <ul style="list-style-type: none"><li>• observe tubes for liquefaction</li><li>• NOTE, do not agitate tubes, handle carefully</li><li>• if enzyme, gelatinase, is present, the gelatin will be liquefied</li><li>• if the enzyme is not present, the gelatin will remain solid</li><li>• Record results on p. 31-2, 52</li><li>• answer questions on p. 53</li><li>• refer to dichotomous key</li></ul>	

