

## PREPARATION AND USE OF SAGE MEDIA IN A TYPICAL ART CYCLE: SCHEDULE OF DISH PREPARATION AND PROCEDURES

Day -1	Day 0
<p>(the day before oocyte collection)</p> <p>Prepare QA Fertilization and QA Cleavage dishes late in the afternoon for use on D 0</p>	<p>Prepare OCC rinse and storage dishes containing QA HEPES medium.</p> <p>Collect OCCs and mechanically dissect to reduce cumulus mass.</p> <p>Inseminate in QA Fertilization, incubate 1-2 hours, then transfer oocytes to QA Cleavage dishes; overnight incubation in QA Fertilization is another option.</p> <p>If oocytes ICSled, transfer directly to QA Cleavage dishes after procedure.</p> <p>Prepare QA Cleavage dishes late in the afternoon for use on D 1.</p>
Day 1	Day 2
<p>Prepare QA HEPES + HSA dish for fertilization assessment <u>or</u> directly assess fertilization in original insemination dishes preferably under an atmosphere of 5% CO<sub>2</sub> or within 2-3 minutes if done in an atmosphere of air.</p> <p>Assess IVF and ICSI fertilization and then place in new overnight equilibrated QA Cleavage dishes.</p> <p>Cryopreserve <math>\geq 6</math> 2PN zygotes if sufficient quantity and keep 6-8 in culture.</p>	<p>Embryo assessment optional. ET if minimal number of embryos (2-3). Again, one must be aware of increase in pH if the dishes are held in an atmosphere of air.</p>

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Day 3	Day 4
<p>Prepare QA Blastocyst dishes at 8 am for continued embryo culture; dishes need a minimum of 4 h incubation to equilibrate.</p> <p>Prepare QA HEPES + HSA dishes for embryo assessment <u>or</u> directly assess in culture dishes under an atmosphere of 5% CO<sub>2</sub> or within 2-3 minutes if done in an atmosphere of air.</p> <p>Assess embryos for cleavage; select embryos for ET, cryopreservation &amp;/or continued culture.</p> <p>Transfer embryos for continued culture into QA Blastocyst Medium in early afternoon</p>	<p>Embryo assessment optional.</p> <p>Prepare QA Blastocyst dishes in late afternoon for continued culture of embryos from D5 to D6 for cryopreservation.</p>
Day 5	Day 6
<p>Assess embryo morphology.</p> <p>Prepare HEPES + HSA or SPS for ET.</p> <p>ET &amp;/or cryopreserve blastocysts if sufficient quality or transfer to fresh QA Blastocyst dish that has been equilibrated overnight.</p>	<p>Assess embryo morphology.</p> <p>Prepare HEPES + HSA or SPS for ET.</p> <p>ET &amp;/or cryopreserve blastocysts if sufficient quality.</p>

Patrick Quinn, Rev 02, 17 Oct , 2008