

**URINE CULTURE (INFANT)**

<b>Document number</b>	LA-75-WI-135E_02.20
<b>Revision date</b>	2018-May-04
<b>Required Specimen Type</b>	<ul style="list-style-type: none"> <li>• Urine sample.</li> </ul>
<b>Medical Supplies</b>	<ul style="list-style-type: none"> <li>• Pediatric urine collector;</li> <li>• Sterile urine container or pea green top preservation tube (for urine culture). See special collection procedure : LA-75-WI-185;</li> <li>• Antiseptic towelettes;</li> <li>• Biohazard bag;</li> </ul>
<b>General Guidelines</b>	<ol style="list-style-type: none"> <li>1) All specimens must include a double identification (first and last name of the patient and date of birth or medicare number).</li> <li>2) The use of gloves is required when handling all biological specimens.</li> <li>3) A valid requisition must include the following information :           <ul style="list-style-type: none"> <li>• First and last name of the patient, date of birth or medicare number and gender.</li> <li>• Date and time of specimen collection and signature of collector.</li> <li>• Physician's full name, signature and license number (or other qualified prescriber).</li> <li>• Any relevant clinical information.</li> <li>• Requested tests.</li> </ul> </li> </ol>
<b>Patient Preparation</b>	<p>It is recommended to properly wash the child's genital area prior to proceeding with the urine collection, making sure there is no more creams or zinc oxide on the skin;          It is recommended to give the child something to drink in order to stimulate urine production.</p>
<b>Specimen Collection Instructions</b>	<ol style="list-style-type: none"> <li>1) Before proceeding with the specimen collection make sure the parent is fully aware of the collection process;</li> <li>2) Wash hands with soap and water and dry them thoroughly;</li> <li>3) Wash genital area 2 times with the antiseptic towelettes;</li> </ol> <p><b>Note: Never dry the wet area with dry compresses nor blow on the region because there is a risk of contaminating the urine culture. Always let the area air dry.</b></p> <ol style="list-style-type: none"> <li>4) When the area is completely dry, affix the paediatric urine collector on the child. Please note that this procedure is usually performed by a nurse;</li> <li>5) Check for urine on a regular basis;</li> </ol> <p><b>Note: A paediatric urine collector is sterile for only 1 hour. If after 1 hour of installing the collecting system<sup>1,2</sup>, no urine is procured, disinfect the genital area once again and then install a new urine collector.</b></p> <ol style="list-style-type: none"> <li>6) Parents should be reminded to increase water intake/hydration of their child in order to ensure that the urine sample is provided within a reasonable amount of time.</li> <li>7) Once the child has urinated :       <ul style="list-style-type: none"> <li>▪ If the sample is contaminated with feces, discard this urine, wash the child's genital area and affix a new urine collector;</li> <li>▪ Otherwise, proceed with the urine transfer into the sterile urine container by following the step below:           <ul style="list-style-type: none"> <li>➢ Remove lid from the container and set lid aside facing upwards. Do not touch the inner surfaces of the container or the lid;</li> </ul> </li> </ul> </li> </ol>

<sup>1</sup> <http://extranot.hcuge.ch/dsi/techsoins.nsf/c55b907310fea2e741256652005a2a0d/53362796c05e829141256790004cc18b?OpenDocument>

<sup>2</sup> <http://www.pediatrie.be/Nephro/infectionurin.htm>

	<ul style="list-style-type: none"> <li>➤ Pour the urine from the collector bag into the sterile urine container. <b>At least 5 mL is required for analysis;</b></li> <li>➤ Tightly close the urine container;</li> <li>➤ Pour the residual urine into the toilet bowl and discard the urine collector.</li> </ul> <p>8) Identify the container:</p> <ul style="list-style-type: none"> <li>▪ First and last name of the patient;</li> <li>▪ Date of birth and/or Medicare number;</li> <li>▪ Date and time of collection.</li> </ul> <p>9) Return the container <u>immediately</u> to your physician or the laboratory.</p>
<b>Additional Information</b>	N/A
<b>Specimen Conservation and Stability<sup>3</sup></b>	<ul style="list-style-type: none"> <li>• 24 hours refrigerated</li> <li>• The preservation tube for urine analysis (pea green) can be stored at room temperature or refrigerated for a period of 48 hours (see LA-75-WI-185)</li> </ul>

<sup>3</sup> Transport et conservation de spécimens dans le domaine de la biologie médicale, OPTMQ, quatrième édition, 2010, p. 52.