

<b>Description</b>	<b>Pooled normal human milk</b>						
<b>Product code</b>	HuMk						
<b>Physical form</b>	Delipidated, heat inactivated, lyophilized, stable whole milk						
<b>Preservative</b>	No preservative added.						
<b>Intended use</b>	<p>As a qualitative reference with an optimized protein content to study the normal protein composition of human milk. To identify or quantitate a normal milk protein component using a variety of immunodiffusion techniques including immuno-electrophoresis, single and double radial immunodiffusion and electroimmunodiffusion. As a reference in nephelometry and other automated precipitation techniques. As a blocking agent or as a negative control in non-precipitating antibody-binding assays e.g. in serodiagnostic immunofluorescence and immunoenzyme tests.</p> <p>This normal reference does not contain assigned values for individual proteins but can be used as an internal relative standard for quantitative protein assays such as double radial immunodiffusion (Mancini, Fahey), ELISA, Western immunoblotting and electroimmunodiffusion (Laurell), expressing the results obtained with the sample under investigation as a percentage of the protein concentration in the normal reference milk.</p>						
<b>Directions for use</b>	<p>Human milk is shipped lyophilized at ambient temperature. After arrival store at +4°C. Prolonged storage may be at -20°C. After opening the vial, the lyophilized content is reconstituted by adding 0.5 ml of sterile distilled water, mixed gently by inversion until complete dissolution is obtained. Allow to stand at ambient temperature for 5-10 minutes to reach equilibrium. Reconstituted milk may be stored frozen. Working dilutions may be prepared by adding the required amount of phosphate buffered saline (PBS), should not be refrozen and preferably used within 24 hours. Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation and will not affect the performance of the reference milk.</p>						
<b>Packing</b>	Vial with 0.5 ml lyophilized human milk.						
<b>Storage / shelf life</b>	<table><tr><td>Lyophilized at +4°C</td><td>at least 10 years</td></tr><tr><td>reconstituted at or below -20°C</td><td>3-5 years</td></tr><tr><td>reconstituted at +4°C</td><td>7 days</td></tr></table>	Lyophilized at +4°C	at least 10 years	reconstituted at or below -20°C	3-5 years	reconstituted at +4°C	7 days
Lyophilized at +4°C	at least 10 years						
reconstituted at or below -20°C	3-5 years						
reconstituted at +4°C	7 days						
<b>Caution</b>	<p>This product should be handled only by qualified persons and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For <i>in vitro</i> research purposes only.</p>						

**NORDIC IMMUNOLOGICAL LABORATORIES**  
Langendijk 25, 5652 AX Eindhoven, The Netherlands  
Tel. +31 630 070 625, Fax: +31 402 920 069  
E-mail: info@nordiclabs.nl  
www.nordiclabs.nl